Eduard Rodriguez-Farre

List of Publications by Year
in descending order

81 papers	2,478 citations	172207 29 h-index	233125 45 g-index
82 all docs	82 docs citations	82 times ranked	2709 citing authors

#	Article	IF	Citations
1	Neurotoxicity of organomercurial compounds. Neurotoxicity Research, 2003, 5, 283-305.	1.3	161
2	Astrocytes aged in vitro show a decreased neuroprotective capacity. Journal of Neurochemistry, 2007, 101, 794-805.	2.1	130
3	Induction of cyclooxygenase-2 mRNA and protein following transient focal ischemia in the rat brain. Neuroscience Letters, 1995, 200, 187-190.	1.0	119
4	Resveratrol Induces Brain Resilience Against Alzheimer Neurodegeneration Through Proteostasis Enhancement. Molecular Neurobiology, 2019, 56, 1502-1516.	1.9	104
5	Evaluation of fluorescent dyes for measuring intracellular glutathione content in primary cultures of human neurons and neuroblastoma SH-SY5Y. , 2003, 51A, 16-25.		103
6	Antioxidant compounds and Ca2+pathway blockers differentially protect against methylmercury and mercuric chloride neurotoxicity. Journal of Neuroscience Research, 2001, 66, 135-145.	1.3	98
7	Differential Estrogenic Effects of the Persistent Organochlorine Pesticides Dieldrin, Endosulfan, and Lindane in Primary Neuronal Cultures. Toxicological Sciences, 2011, 120, 413-427.	1.4	83
8	Comparison of behavioral, vestibular, and axonal effects of subchronic IDPN in the rat. Neurotoxicology and Teratology, 1997, 19, 117-127.	1.2	69
9	Mercury compounds disrupt neuronal glutamate transport in cultured mouse cerebellar granule cells. Journal of Neuroscience Research, 2005, 79, 545-553.	1.3	68
10	Relationship between lindane concentration in blood and brain and convulsant response in rats after oral or intraperitoneal administration. Archives of Toxicology, 1987, 60, 432-437.	1.9	64
11	Melatonin induces mechanisms of brain resilience against neurodegeneration. Journal of Pineal Research, 2018, 65, e12515.	3.4	59
12	Apoptosis and c-Jun in the thalamus of the rat following cortical infarction. NeuroReport, 1996, 7, 425-428.	0.6	56
13	Kainic Acid-induced Heat Shock Protein-70, mRNA and Protein Expression is Inhibited by MK-801 in Certain Rat Brain Regions. European Journal of Neuroscience, 1995, 7, 293-304.	1.2	55
14	The Mechanism for Hexachlorocyclohexane-Induced Cytotoxicity and Changes in Intracellular Ca2+Homeostasis in Cultured Cerebellar Granule Neurons Is Different for the Î³- and Î´-Isomers. Toxicology and Applied Pharmacology, 1997, 142, 31-39.	1.3	49
15	Cell viability and proteomic analysis in cultured neurons exposed to methylmercury. Human and Experimental Toxicology, 2007, 26, 263-272.	1.1	47
16	Regional expression of inducible heat shock protein-70 mRNA in the rat brain following administration of convulsant drugs. Molecular Brain Research, 1994, 27, 127-137.	2.5	44
17	Neuronal in vitro models for the estimation of acute systemic toxicity. Toxicology in Vitro, 2009, 23, 1564-1569.	1.1	42
18	Mercury interaction with the GABAA receptor modulates the benzodiazepine binding site in primary cultures of mouse cerebellar granule cells. Neuropharmacology, 2001, 41, 819-833.	2.0	39

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19	GABAergic modulation of lindane (Î³-hexachlorocyclohexane)-induced seizures. Toxicology and Applied Pharmacology, 1989, 100, 1-8.	1.3	38
20	Early 72-kDa heat shock protein induction in microglial cells following focal ischemia in the rat brain. Neuroscience Letters, 1994, 182, 205-207.	1.0	38
21	Induction of cyclooxygenase-2 in the rat brain after a mild episode of focal ischemia without tissue inflammation or neural cell damage. Neuroscience Letters, 1999, 275, 141-144.	1.0	38
22	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. Brain Research, 1995, 670, 317-320.	1.1	36
23	Estimation of Gelatinase Content in Rat Brain: Effect of Focal Ischemia. Biochemical and Biophysical Research Communications, 2000, 278, 803-807.	1.0	36
24	Degeneration and gliosis in rat retina and central nervous system following 3,3â€²-iminodipropionitrile exposure. Brain Research, 1999, 833, 258-271.	1.1	35
25	The safety of the use of bisphenol A in medical devices. Regulatory Toxicology and Pharmacology, 2016, 79, 106-107.	1.3	35
26	Lindane inhibition of [35S]TBPS binding to the GABAA receptor in rat brain. Neurotoxicology and Teratology, 1990, 12, 607-610.	1.2	32
27	Inhibition of binding by convulsant agents in primary cultures of cerebellar neurons. Developmental Brain Research, 1993, 73, 85-90.	2.1	32
28	Neurotoxic effects of trimethyltin and triethyltin on human fetal neuron and astrocyte cultures: A comparative study with rat neuronal cultures and human cell lines. Toxicology Letters, 2004, 152, 35-46.	0.4	32
29	Ionizing radiation-induced apoptosis is associated with c-Jun expression and c-Jun/AP-1 activation in the developing cerebellum of the rat. Neuroscience Letters, 1995, 202, 105-108.	1.0	30
30	Gabaergic Pharmacological Activity of Propofol Related Compounds as Possible Enhancers of General Anesthetics and Interaction with Membranes. Cell Biochemistry and Biophysics, 2013, 67, 515-525.	0.9	30
31	Striatal Infarction in the Rat Causes a Transient Reduction of Tyrosine Hydroxylase Immunoreactivity in the Ipsilateral Substantia Nigra. Neurobiology of Disease, 1997, 4, 376-385.	2.1	29
32	Resveratrol confers neuroprotection against high-fat diet in a mouse model of Alzheimer's disease via modulation of proteolytic mechanisms. Journal of Nutritional Biochemistry, 2021, 89, 108569.	1.9	28
33	Behavioral and Monoaminergic Changes After Lindane Exposure in Developing Rats. Neurotoxicology and Teratology, 1998, 20, 155-160.	1.2	26
34	Pharmacological characterization of the effects of methylmercury and mercuric chloride on spontaneous noradrenaline release from rat hippocampal slices. Life Sciences, 2000, 67, 1219-1231.	2.0	25
35	Convulsant effect of lindane and regional brain concentration of GABA and dopamine. Toxicology, 1988, 49, 247-252.	2.0	24
36	Down's syndrome astrocytes have greater antioxidant capacity than euploid astrocytes. European Journal of Neuroscience, 2004, 20, 2355-2366.	1.2	22

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37	Methylmercury-induced developmental toxicity is associated with oxidative stress and cofilin phosphorylation. Cellular and human studies. NeuroToxicology, 2017, 59, 197-209.	1.4	22
38	Regional concentrations of GABA, serotonin and noradrenaline in brain at onset of seizures induced by lindane (Î³-hexachlorocyclohexane). Neuropharmacology, 1988, 27, 677-681.	2.0	20
39	Effects of lindane on spontaneous behavior of rats analyzed by multivariate statistics. Neurotoxicology and Teratology, 1989, 11, 145-151.	1.2	20
40	On the effects of lindane on the plus-maze model of anxiety. Neurotoxicology and Teratology, 1990, 12, 643-647.	1.2	20
41	Lindane Administration to the Rat Induces Modifications in the Regional Cerebral Binding of [3H]Muscimol, [3H]-Flunitrazepam, and t-[35S]Butylbicyclophosphorothionate: An Autoradiographic Study. Journal of Neurochemistry, 1993, 60, 1821-1834.	2.1	20
42	Induction of HSP70 mRNA and HSP70 protein in the hippocampus of the developing gerbil following transient forebrain ischemia. Brain Research, 1994, 653, 191-198.	1.1	20
43	Cerebrospinal dopamine metabolites in rats after intrastriatal administration of 6-hydroxydopamine or 1-methyl-4-phenylpyridinium ion. Brain Research, 1995, 669, 19-25.	1.1	20
44	Lindane cytotoxicity in cultured neocortical neurons is ameliorated by GABA and flunitrazepam. Journal of Neuroscience Research, 1994, 39, 663-668.	1.3	19
45	Effects of the conformationally restricted GABA analogues, Cis-and Trans-4-aminocrotonic acid, on GABA neurotransmission in primary neuronal cultures. Journal of Neuroscience Research, 1999, 57, 95-105.	1.3	19
46	Synthesis and utilization of neurotransmitters: Actions of subconvulsant doses of hexachlorocyclohexane isomers on brain monoamines. Toxicology, 1988, 49, 49-55.	2.0	18
47	Behavioral changes induced in developing rats by an early postnatal exposure to lindane. Neurotoxicology and Teratology, 1990, 12, 591-595.	1.2	18
48	Protein binding and stability of norepinephrine in human blood plasma.-Involvement of prealbumin, âˆ1-acid glycoprotein and albumin. Life Sciences, 1988, 43, 1277-1286.	2.0	17
49	The effect of non-convulsant doses of lindane on temperature and body weight. Toxicology, 1988, 49, 389-394.	2.0	16
50	Use of Human Central Nervous System Cell Cultures in Neurotoxicity Testing. Toxicology in Vitro, 1999, 13, 753-759.	1.1	16
51	Trimethyltin and Triethyltin Differentially Induce Spontaneous Noradrenaline Release from Rat Hippocampal Slices. Toxicology and Applied Pharmacology, 2000, 162, 189-196.	1.3	15
52	Effect of lindane on the myelination process in the rat. Neurotoxicology and Teratology, 1990, 12, 577-583.	1.2	14
53	Regional effects on the cerebral concentration of noradrenaline, serotonin and dopamine in suckling rats after a single dose of lindane. Toxicology, 1991, 69, 43-54.	2.0	14
54	Properties of ryanodine receptors in cultured cerebellar granule neurons: Effects of hexachlorocyclohexane isomers and calcium. , 1997, 47, 27-33.		14

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55	GABAA receptor and cell membrane potential as functional endpoints in cultured neurons to evaluate chemicals for human acute toxicity. Neurotoxicology and Teratology, 2010, 32, 52-61.	1.2	14
56	Influence of prenatal exposure to environmental pollutants on human cord blood levels of glutamate. NeuroToxicology, 2014, 40, 102-110.	1.4	13
57	Effect of lindane at repeated low doses. Toxicology, 1988, 49, 375-379.	2.0	12
58	Neurotransmitter amines and antioxidant agents in neuronal protection against methylmercury-induced cytotoxicity in primary cultures of mice cortical neurons. NeuroToxicology, 2018, 69, 278-287.	1.4	12
59	Regional distribution of lindane in rat brain. Toxicology, 1988, 49, 189-196.	2.0	11
60	Carboxyl-terminal fragment of amyloid precursor protein and hydrogen peroxide induce neuronal cell death through different pathways. Journal of Neural Transmission, 2006, 113, 1837-1845.	1.4	11
61	Cerebral glucose uptake in lindane-treated rats. Toxicology, 1988, 49, 381-387.	2.0	10
62	Hippocampal noradrenaline release is modulated by Î³- and Î´-hexachlorocyclohexane isomers: which mechanisms are involved?. European Journal of Pharmacology, 1994, 252, 305-312.	1.7	10
63	NMDA receptors mediate heat shock protein induction in the mouse brain following administration of the ibotenic acid analogue AMAA. Brain Research, 1995, 700, 289-294.	1.1	10
64	PK 11195 reduces the brain availability of lindane in rats and the convulsions induced by this neurotoxic agent. Life Sciences, 1995, 57, 2359-2364.	2.0	10
65	Peripheral Maintenance of the Axis SIRT1-SIRT3 at Youth Level May Contribute to Brain Resilience in Middle-Aged Amateur Rugby Players. Frontiers in Aging Neuroscience, 2019, 11, 352.	1.7	10
66	Brain metabolites of lindane and related isomers: Identification by negative ion mass spectrometry. Toxicology, 1988, 49, 57-63.	2.0	9
67	Differential presynaptic effects of hexachlorocyclohexane isomers on noradrenaline release in cerebral cortex. Life Sciences, 1991, 49, 1111-1119.	2.0	9
68	Repeated lindane exposure in the rat results in changes in spontaneous motor activity at 2 weeks post-exposure. Toxicology Letters, 1992, 61, 265-274.	0.4	9
69	Spatial distribution of Parkinson's disease mortality in Spain, 1989-1998, as a guide for focused aetiological research or health-care intervention. BMC Public Health, 2009, 9, 445.	1.2	8
70	Modulation of noradrenaline release from hippocampal slices by hexachlorocyclohexane isomers. Effects of GABAergic compounds. Brain Research, 1993, 606, 237-243.	1.1	7
71	Kainic acid inhibits protein amino acid incorporation in select rat brain regions. NeuroReport, 1994, 5, 2333-2336.	0.6	7
72	The binding of noradrenalin by plasma and serum proteins in various animal species. International Journal of Nuclear Medicine and Biology, 1975, 2, 13-24.	0.7	5

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73	Study of regional cerebral blood flow after lindane administration to the rat. Pesticide Biochemistry and Physiology, 1990, 38, 1-8.	1.6	4
74	Changes in regional brain 2[14C]deoxyglucose uptake induced in postnatal developing rats by single and repeated nonconvulsant doses of lindane. Pesticide Biochemistry and Physiology, 1992, 43, 241-252.	1.6	4
75	Sulphur-Containing Amino Acids Modulate Noradrenaline Release from Hippocampal Slices. Journal of Neurochemistry, 2002, 68, 1534-1541.	2.1	4
76	The Geography of the Alzheimerâ€™s Disease Mortality in Spain: Should We Focus on Industrial Pollutants Prevention?. Healthcare (Switzerland), 2017, 5, 89.	1.0	4
77	In Vitro Models for Methylmercury Neurotoxicity: Effects on Glutamatergic Cerebellar Granule Neurons. , 2012, , 259-270.		4
78	Effects of glucose and oxygen deprivation on phosphoinositide hydrolysis in cerebral cortex slices from neonatal rats. Life Sciences, 1996, 59, 587-597.	2.0	2
79	Binding of noradrenaline to bovine serum albumin. International Journal of Nuclear Medicine and Biology, 1981, 8, 65-75.	0.7	1
80	Neurotoxic substances also posing a cancer risk: A warning. Neurotoxicology and Teratology, 1990, 12, 677-681.	1.2	0
81	Stimulation of Phosphoinositide Hydrolysis by Î³- and Î´-Hexachlorocyclohexane in Primary Cultures of Cerebellar Granule Cells: Interaction with Glutamate and Carbachol Receptor-Mediated Phosphoinositide Response and Effects of Specific Pharmacological Agents. Pesticide Biochemistry and Physiology, 1996, 55, 64-76.	1.6	0