

Cristina Sunol

List of Publications by Year in descending order

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63
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2,498
citations

172207

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docs citations

64
times ranked

3300
citing authors

#	ARTICLE	IF	CITATIONS
1	Revisiting Astrocytic Roles in Methylmercury Intoxication. <i>Molecular Neurobiology</i> , 2021, 58, 4293-4308.	1.9	21
2	Manganese-induced neurotoxicity in cerebellar granule neurons due to perturbation of cell network pathways with potential implications for neurodegenerative disorders. <i>Metallomics</i> , 2020, 12, 1656-1678.	1.0	6
3	Role of Resveratrol and Selenium on Oxidative Stress and Expression of Antioxidant and Anti-Aging Genes in Immortalized Lymphocytes from Alzheimer's Disease Patients. <i>Nutrients</i> , 2019, 11, 1764.	1.7	69
4	Clarified Açaí (<i>Euterpe oleracea</i>) Juice as an Anticonvulsant Agent: In Vitro Mechanistic Study of GABAergic Targets. <i>Oxidative Medicine and Cellular Longevity</i> , 2018, 2018, 1-6.	1.9	17
5	Neurotransmitter amines and antioxidant agents in neuronal protection against methylmercury-induced cytotoxicity in primary cultures of mice cortical neurons. <i>NeuroToxicology</i> , 2018, 69, 278-287.	1.4	12
6	Methylmercury-induced developmental toxicity is associated with oxidative stress and cofilin phosphorylation. Cellular and human studies. <i>NeuroToxicology</i> , 2017, 59, 197-209.	1.4	22
7	Long-term and low-dose malathion exposure causes cognitive impairment in adult mice: evidence of hippocampal mitochondrial dysfunction, astrogliosis and apoptotic events. <i>Archives of Toxicology</i> , 2016, 90, 647-660.	1.9	56
8	Attentional performance, impulsivity, and related neurotransmitter systems in apoE2, apoE3, and apoE4 female transgenic mice. <i>Psychopharmacology</i> , 2016, 233, 295-308.	1.5	18
9	Putative adverse outcome pathways relevant to neurotoxicity. <i>Critical Reviews in Toxicology</i> , 2015, 45, 83-91.	1.9	92
10	Toxicity evaluation of new agricultural fungicides in primary cultured cortical neurons. <i>Environmental Research</i> , 2015, 140, 37-44.	3.7	61
11	Influence of prenatal exposure to environmental pollutants on human cord blood levels of glutamate. <i>NeuroToxicology</i> , 2014, 40, 102-110.	1.4	13
12	Physical exercise improves synaptic dysfunction and recovers the loss of survival factors in 3xTg-AD mouse brain. <i>Neuropharmacology</i> , 2014, 81, 55-63.	2.0	114
13	IrOx-carbon nanotube hybrids: A nanostructured material for electrodes with increased charge capacity in neural systems. <i>Acta Biomaterialia</i> , 2014, 10, 4548-4558.	4.1	35
14	Allopregnanolone and Pregnanolone Analogues Modified in the C Ring: Synthesis and Activity. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 2323-2336.	2.9	11
15	Long term compulsivity on the 5-choice serial reaction time task after acute Chlorpyrifos exposure. <i>Toxicology Letters</i> , 2013, 216, 73-85.	0.4	25
16	Allopregnanolone Prevents Dieldrin-Induced NMDA Receptor Internalization and Neurotoxicity by Preserving GABAA Receptor Function. <i>Endocrinology</i> , 2012, 153, 847-860.	1.4	8
17	Strategies and tools for preventing neurotoxicity: To test, to predict and how to do it. <i>NeuroToxicology</i> , 2012, 33, 796-804.	1.4	26
18	Poor inhibitory control and neurochemical differences in high compulsive drinker rats selected by schedule-induced polydipsia. <i>Psychopharmacology</i> , 2012, 219, 661-672.	1.5	37

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19	Differential Estrogenic Effects of the Persistent Organochlorine Pesticides Dieldrin, Endosulfan, and Lindane in Primary Neuronal Cultures. <i>Toxicological Sciences</i> , 2011, 120, 413-427.	1.4	83
20	Homeostatic Regulation of Glutamate Neurotransmission in Primary Neuronal Cultures. <i>Methods in Molecular Biology</i> , 2011, 758, 253-265.	0.4	2
21	Defining and modeling known adverse outcome pathways: Domoic acid and neuronal signaling as a case study. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 9-21.	2.2	58
22	GABAA receptor and cell membrane potential as functional endpoints in cultured neurons to evaluate chemicals for human acute toxicity. <i>Neurotoxicology and Teratology</i> , 2010, 32, 52-61.	1.2	14
23	Methylmercury disrupts the balance between phosphorylated and non-phosphorylated cofilin in primary cultures of mice cerebellar granule cells A proteomic study. <i>Toxicology and Applied Pharmacology</i> , 2010, 242, 109-118.	1.3	36
24	Gender-Specific Neuroimmunoendocrine Response to Treadmill Exercise in 3xTg-AD Mice. <i>International Journal of Alzheimer's Disease</i> , 2010, 2010, 1-17.	1.1	67
25	Reduction of Glutamatergic Neurotransmission by Prolonged Exposure to Dieldrin Involves NMDA Receptor Internalization and Metabotropic Glutamate Receptor 5 Downregulation. <i>Toxicological Sciences</i> , 2010, 113, 138-149.	1.4	26
26	Use of Gene Expression of Neural Markers in Cultured Neural Cells to Identify Developmental Neurotoxicants. <i>Toxicological Sciences</i> , 2010, 113, 1-3.	1.4	2
27	Impulsivity Characterization in the Roman High- and Low-Avoidance Rat Strains: Behavioral and Neurochemical Differences. <i>Neuropsychopharmacology</i> , 2010, 35, 1198-1208.	2.8	135
28	Gene-environment interactions: Neurodegeneration in non-mammals and mammals. <i>NeuroToxicology</i> , 2010, 31, 582-588.	1.4	18
29	Probucol Increases Glutathione Peroxidase-1 Activity and Displays Long-Lasting Protection against Methylmercury Toxicity in Cerebellar Granule Cells. <i>Toxicological Sciences</i> , 2009, 112, 416-426.	1.4	125
30	GABA released from cultured cortical neurons influences the modulation of t-[35S]butylbicyclophosphorothionate binding at the GABAA receptor. <i>European Journal of Pharmacology</i> , 2008, 600, 26-31.	1.7	23
31	Long-term monoamine changes in the striatum and nucleus accumbens after acute chlorpyrifos exposure. <i>Toxicology Letters</i> , 2008, 176, 162-167.	0.4	57
32	Cell viability and proteomic analysis in cultured neurons exposed to methylmercury. <i>Human and Experimental Toxicology</i> , 2007, 26, 263-272.	1.1	47
33	Clozapine and Haloperidol Differently Suppress the MK-801-Increased Glutamatergic and Serotonergic Transmission in the Medial Prefrontal Cortex of the Rat. <i>Neuropsychopharmacology</i> , 2007, 32, 2087-2097.	2.8	167
34	Long-term exposure to dieldrin reduces γ -aminobutyric acid type A and N-methyl-D-aspartate receptor function in primary cultures of mouse cerebellar granule cells. <i>Journal of Neuroscience Research</i> , 2007, 85, 3687-3695.	1.3	30
35	Activity of B-Nor Analogues of Neurosteroids on the GABA _A Receptor in Primary Neuronal Cultures. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 3225-3234.	2.9	27
36	Demonstration of extensive GABA synthesis in the small population of GAD positive neurons in cerebellar cultures by the use of pharmacological tools. <i>Neurochemistry International</i> , 2006, 48, 572-578.	1.9	23

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37	Allosteric positive interaction of thymol with the GABAA receptor in primary cultures of mouse cortical neurons. <i>Neuropharmacology</i> , 2006, 50, 25-35.	2.0	113
38	Modulation of calcium entry and glutamate release in cultured cerebellar granule cells by palytoxin. <i>Journal of Neuroscience Research</i> , 2006, 83, 1393-1406.	1.3	36
39	Role of the plasma membrane calcium adenosine triphosphatase on domoate-induced intracellular acidification in primary cultures of cerebellar granule cells. <i>Journal of Neuroscience Research</i> , 2006, 84, 326-337.	1.3	15
40	Excitotoxic death induced by released glutamate in depolarized primary cultures of mouse cerebellar granule cells is dependent on GABA _A receptors and niflumic acid-sensitive chloride channels. <i>European Journal of Neuroscience</i> , 2005, 21, 103-112.	1.2	70
41	Mercury compounds disrupt neuronal glutamate transport in cultured mouse cerebellar granule cells. <i>Journal of Neuroscience Research</i> , 2005, 79, 545-553.	1.3	68
42	First direct demonstration of extensive GABA synthesis in mouse cerebellar neuronal cultures. <i>Journal of Neurochemistry</i> , 2004, 91, 796-803.	2.1	48
43	Induction of GABAergic phenotype in a neural stem cell line for transplantation in an excitotoxic model of Huntington's disease. <i>Experimental Neurology</i> , 2004, 190, 42-58.	2.0	69
44	Transforming Growth Factor- β Attenuates N-Methyl-D-aspartic Acid Toxicity in Cortical Cultures by Preventing Protein Synthesis Inhibition through an Erk1/2-dependent Mechanism. <i>Journal of Biological Chemistry</i> , 2003, 278, 29552-29559.	1.6	26
45	Pharmacological characterization of the effects of methylmercury and mercuric chloride on spontaneous noradrenaline release from rat hippocampal slices. <i>Life Sciences</i> , 2000, 67, 1219-1231.	2.0	25
46	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> , 1999, 57, 95-105.	1.3	19
47	Cytotoxic action of lindane in neocortical GABAergic neurons is primarily mediated by interaction with flunitrazepam-sensitive GABA _A receptors. , 1998, 52, 276-285.		10
48	Cytotoxic action of lindane in cerebellar granule neurons is mediated by interaction with inducible GABA _B receptors. , 1998, 52, 286-294.		18
49	Allosteric interactions between γ -aminobutyric acid, benzodiazepine and picrotoxinin binding sites in primary cultures of cerebellar granule cells. Differential effects induced by γ - and δ -hexachlorocyclohexane. <i>European Journal of Pharmacology</i> , 1997, 319, 343-353.	1.7	29
50	Antidepressant Drugs Inhibit a Gial 5-Hydroxytryptamine Transporter in Rat Brain. <i>European Journal of Neuroscience</i> , 1997, 9, 1728-1738.	1.2	46
51	The Mechanism for Hexachlorocyclohexane-Induced Cytotoxicity and Changes in Intracellular Ca ²⁺ Homeostasis in Cultured Cerebellar Granule Neurons Is Different for the γ - and δ -Isomers. <i>Toxicology and Applied Pharmacology</i> , 1997, 142, 31-39.	1.3	49
52	Stimulation of Phosphoinositide Hydrolysis by γ - and δ -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> , 1996, 55, 64-76.	1.6	0
53	Inhibition of binding by convulsant agents in primary cultures of cerebellar neurons. <i>Developmental Brain Research</i> , 1993, 73, 85-90.	2.1	32
54	Repeated lindane exposure in the rat results in changes in spontaneous motor activity at 2 weeks post-exposure. <i>Toxicology Letters</i> , 1992, 61, 265-274.	0.4	9

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55	Regional effects on the cerebral concentration of noradrenaline, serotonin and dopamine in suckling rats after a single dose of lindane. <i>Toxicology</i> , 1991, 69, 43-54.	2.0	14
56	Microcomputer adaptation of the wheel-shaped activity monitor: Effects of lindane. <i>Pharmacology Biochemistry and Behavior</i> , 1990, 35, 1003-1006.	1.3	3
57	Lindane inhibition of [³⁵ S]TBPS binding to the GABAA receptor in rat brain. <i>Neurotoxicology and Teratology</i> , 1990, 12, 607-610.	1.2	32
58	On the effects of lindane on the plus-maze model of anxiety. <i>Neurotoxicology and Teratology</i> , 1990, 12, 643-647.	1.2	20
59	GABAergic modulation of lindane (¹³ -hexachlorocyclohexane)-induced seizures. <i>Toxicology and Applied Pharmacology</i> , 1989, 100, 1-8.	1.3	38
60	Convulsant effect of lindane and regional brain concentration of GABA and dopamine. <i>Toxicology</i> , 1988, 49, 247-252.	2.0	24
61	High-performance liquid chromatography-fluorescence detection method for endogenous .gamma.-aminobutyric acid validated by mass spectrometric and gas chromatographic techniques. <i>Analytical Chemistry</i> , 1988, 60, 649-651.	3.2	21
62	On the-metabolic origin of plasmatic indole-3-acetic acid in the rat. <i>Biochemical Pharmacology</i> , 1983, 32, 3251-3254.	2.0	8
63	Mass spectrometric determination of new prostaglandin derivatives (series A and E). <i>Biological Mass Spectrometry</i> , 1977, 4, 237-240.	0.5	16