Barbara Viviani

List of Publications by Year
in descending order

74 papers	4,583 citations	101543 36 h-index	98798 67 g-index
74 all docs	74 docs citations	74 times ranked	6308 citing authors

#	Article	IF	Citations
1	Erythropoietin Selectively Attenuates Cytokine Production and Inflammation in Cerebral Ischemia by Targeting Neuronal Apoptosis. Journal of Experimental Medicine, 2003, 198, 971-975.	8.5	481
2	Neuromodulatory properties of inflammatory cytokines and their impact on neuronal excitability. Neuropharmacology, 2015, 96, 70-82.	4.1	473
3	Estrogen Prevents the Lipopolysaccharide-Induced Inflammatory Response in Microglia. Journal of Neuroscience, 2001, 21, 1809-1818.	3.6	415
4	Cytokines and Neuronal Ion Channels in Health and Disease. International Review of Neurobiology, 2007, 82, 247-263.	2.0	171
5	Effects of central and peripheral inflammation on hippocampal synaptic plasticity. Neurobiology of Disease, 2013, 52, 229-236.	4.4	155
6	Erythropoietin protects primary hippocampal neurons increasing the expression of brain-derived neurotrophic factor. Journal of Neurochemistry, 2005, 93, 412-421.	3.9	143
7	In vitro characterization of the immunotoxic potential of several perfluorinated compounds (PFCs). Toxicology and Applied Pharmacology, 2012, 258, 248-255.	2.8	136
8	Glia Increase Degeneration of Hippocampal Neurons through Release of Tumor Necrosis Factor-Î±. Toxicology and Applied Pharmacology, 1998, 150, 271-276.	2.8	124
9	Organotins Induce Apoptosis by Disturbance of [Ca2+]i and Mitochondrial Activity, Causing Oxidative Stress and Activation of Caspases in Rat Thymocytes. Toxicology and Applied Pharmacology, 2000, 169, 185-190.	2.8	123
10	Levels and actions of progesterone and its metabolites in the nervous system during physiological and pathological conditions. Progress in Neurobiology, 2014, 113, 56-69.	5.7	113
11	Interleukin-1Î² Released by gp120 Drives Neural Death through Tyrosine Phosphorylation and Trafficking of NMDA Receptors. Journal of Biological Chemistry, 2006, 281, 30212-30222.	3.4	107
12	Distribution of interleukin-1 receptor complex at the synaptic membrane driven by interleukin-1Î² and NMDA stimulation. Journal of Neuroinflammation, 2011, 8, 14.	7.2	106
13	Cytokines role in neurodegenerative events. Toxicology Letters, 2004, 149, 85-89.	0.8	94
14	Sodium Arsenate Induces Overproduction of Interleukin-1Î± in Murine Keratinocytes: Role of Mitochondria. Journal of Investigative Dermatology, 1999, 113, 760-765.	0.7	83
15	Reactive oxygen species generated by glia are responsible for neuron death induced by human immunodeficiency virus-glycoprotein 120 in vitro. Neuroscience, 2001, 107, 51-58.	2.3	83
16	Nonhematopoietic Erythropoietin Derivatives Prevent Motoneuron Degeneration In Vitro and In Vivo. Molecular Medicine, 2006, 12, 153-160.	4.4	82
17	Erythropoietin: A Novel Neuroprotective Cytokine. NeuroToxicology, 2005, 26, 923-928.	3.0	78
18	Diabetic neuropathic pain: a role for testosterone metabolites. Journal of Endocrinology, 2014, 221, 1-13.	2.6	76

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19	Perspectives on neuroinflammation and excitotoxicity: A neurotoxic conspiracy?. NeuroToxicology, 2014, 43, 10-20.	3.0	72
20	Neuroactive steroids, their metabolites, and neuroinflammation. Journal of Molecular Endocrinology, 2012, 49, R125-R134.	2.5	68
21	Role of p38 MAPK in the selective release of IL-8 induced by chemical allergen in naÃ¯ve THP-1 cells. Toxicology in Vitro, 2008, 22, 386-395.	2.4	67
22	Thyroid peroxidase as toxicity target for dithiocarbamates. Archives of Toxicology, 1997, 71, 508-512.	4.2	65
23	CysLT1 receptor-induced human airway smooth muscle cells proliferation requires ROS generation, EGF receptor transactivation and ERK1/2 phosphorylation. Respiratory Research, 2006, 7, 42.	3.6	60
24	Further development of the NCTC 2544 IL-18 assay to identify in vitro contact allergens. Toxicology in Vitro, 2011, 25, 724-732.	2.4	60
25	NF-ÎºB Activation by Triphenyltin Triggers Apoptosis in HL-60 Cells. Experimental Cell Research, 1996, 226, 98-104.	2.6	55
26	In Vivo Dehydroepiandrosterone Restores Age-Associated Defects in the Protein Kinase C Signal Transduction Pathway and Related Functional Responses. Journal of Immunology, 2002, 168, 1753-1758.	0.8	54
27	High interleukin-10 production is associated with low antibody response to influenza vaccination in the elderly. Journal of Leukocyte Biology, 2006, 80, 376-382.	3.3	51
28	Facilitation of Acetylcholine Signaling by the Dithiocarbamate Fungicide Propineb. Chemical Research in Toxicology, 2002, 15, 26-32.	3.3	50
29	Use of IL-8 release and p38 MAPK activation in THP-1 cells to identify allergens and to assess their potency in vitro. Toxicology in Vitro, 2010, 24, 1803-1809.	2.4	50
30	Reversibility of tributyltin-chloride-induced protein synthesis inhibition after ATP recovery in HEL-30 cells. Toxicology Letters, 1990, 52, 311-317.	0.8	45
31	Lack of PSD-95 drives hippocampal neuronal cell death through activation of an Î±CaMKII transduction pathway. European Journal of Neuroscience, 2002, 16, 777-786.	2.6	42
32	Dying neural cells activate glia through the release of a protease product. Glia, 2000, 32, 84-90.	4.9	41
33	Molecular mechanisms underlying mancozeb-induced inhibition of TNF-alpha production. Toxicology and Applied Pharmacology, 2006, 212, 89-98.	2.8	39
34	Somatostatin Modulates Insulin-Degrading-Enzyme Metabolism: Implications for the Regulation of Microglia Activity in AD. PLoS ONE, 2012, 7, e34376.	2.5	39
35	Increased carrageenanâ€induced acute lung inflammation in old rats. Immunology, 2005, 115, 253-261.	4.4	37
36	Early maternal deprivation immunologically primes hippocampal synapses by redistributing interleukin-1 receptor type I in a sex dependent manner. Brain, Behavior, and Immunity, 2014, 35, 135-143.	4.1	37

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37	Sex differences in steroid levels and steroidogenesis in the nervous system: Physiopathological role. Frontiers in Neuroendocrinology, 2020, 56, 100804.	5.2	37
38	Cytokines and neuronal channels: A molecular basis for age-related decline of neuronal function?. Experimental Gerontology, 2011, 46, 199-206.	2.8	35
39	Identification by DNA Macroarray of nur77 as a Gene Induced by Di-n-butyltin Dichloride: Its Role in Organotin-Induced Apoptosis. Toxicology and Applied Pharmacology, 2002, 181, 27-31.	2.8	34
40	Role of Mitochondria and Calcium Ions in Tributyltin-Induced Gene Regulatory Pathways. Toxicology and Applied Pharmacology, 1997, 145, 74-81.	2.8	32
41	Expression of sterol 27-hydroxylase in glial cells and its regulation by liver X receptor signaling. Neuroscience, 2009, 164, 530-540.	2.3	32
42	Age-related decline in RACK-1 expression in human leukocytes is correlated to plasma levels of dehydroepiandrosterone. Journal of Leukocyte Biology, 2005, 77, 247-256.	3.3	31
43	Immunomodulatory effects of the herbicide propanil on cytokine production in humans: In vivo and in vitro exposure. Toxicology and Applied Pharmacology, 2007, 222, 202-210.	2.8	31
44	Induction of Adipose Differentiation Related Protein and Neutral Lipid Droplet Accumulation in Keratinocytes by Skin Irritants. Journal of Investigative Dermatology, 2003, 121, 337-344.	0.7	25
45	Inorganic mercury modifies Ca2+ signals, triggers apoptosis and potentiates NMDA toxicity in cerebellar granule neurons. Cell Death and Differentiation, 1997, 4, 317-324.	11.2	24
46	Trimethyltin-Activated Cyclooxygenase Stimulates Tumor Necrosis Factor-Î± Release from Glial Cells through Reactive Oxygen Species. Toxicology and Applied Pharmacology, 2001, 172, 93-97.	2.8	24
47	Corticosteroids modulate the expression of the PKC-anchoring protein RACK-1 and cytokine release in THP-1 cells. Pharmacological Research, 2014, 81, 10-16.	7.1	24
48	Triethyltin Interferes with Ca2+Signaling and Potentiates Norepinephrine Release in PC12 Cells. Toxicology and Applied Pharmacology, 1996, 140, 289-295.	2.8	22
49	The anti-inflammatory activity of estrogen in glial cells is regulated by the PKC-anchoring protein RACK-1. Journal of Neurochemistry, 2002, 83, 1180-1187.	3.9	22
50	Cloricromene, a semi-synthetic coumarin derivative, inhibits tumor necrosis factor-Î± production at a pre-transcriptional level. European Journal of Pharmacology, 2001, 418, 231-237.	3.5	18
51	Preparation and Coculture of Neurons and Glial Cells. Current Protocols in Cell Biology, 2006, 32, Unit 2.7.	2.3	18
52	Resistance to Acute Silicosis in Senescent Rats:Â Role of Alveolar Macrophages. Chemical Research in Toxicology, 2003, 16, 1520-1527.	3.3	16
53	Multimodal Analysis in Acute and Chronic Experimental Autoimmune Encephalomyelitis. Journal of NeuroImmune Pharmacology, 2013, 8, 238-250.	4.1	16
54	Resistance to silica-induced lung fibrosis in senescent rats: role of alveolar macrophages and tumor necrosis factor-Î± (TNF). Mechanisms of Ageing and Development, 2004, 125, 145-146.	4.6	15

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55	Skin immunosenescence: decreased receptor for activated C kinase-1 expression correlates with defective tumour necrosis factor-Î± production in epidermal cells. British Journal of Dermatology, 2009, 160, 16-25.	1.5	15
56	Cell cultures: A tool for the study of mechanisms of toxicity. Toxicology in Vitro, 1993, 7, 559-568.	2.4	14
57	Cell culture models for neurotoxicology. , 2001, 17, 319-334.		13
58	Endogenous Erythropoietin as Part of the Cytokine Network in the Pathogenesis of Experimental Autoimmune Encephalomyelitis. Molecular Medicine, 2008, 14, 682-688.	4.4	13
59	Cyclosporin A Exacerbates Skin Irritation Induced by Tributyltin by Increasing Nuclear Factor Î°B Activation. Journal of Investigative Dermatology, 2001, 117, 1627-1634.	0.7	12
60	Sex-Dependent Effects of Developmental Lead Exposure in Wistar Rats: Evidence from Behavioral and Molecular Correlates. International Journal of Molecular Sciences, 2020, 21, 2664.	4.1	12
61	Is Actin Polymerization Relevant to Neurosecretion? A Study on Neuroblastoma Cells. Biochemical and Biophysical Research Communications, 1996, 223, 712-717.	2.1	11
62	Primary Role of Mitochondria and Calcium Ions in the Induction of Reactive Oxygen Species by External Stimuli such as Triorganotins. Toxicology in Vitro, 1998, 12, 551-556.	2.4	11
63	Ontogenesis of protein kinase C Î²II and its anchoring protein RACK1 in the maturation of alveolar macrophage functional responses. Immunology Letters, 2001, 76, 89-93.	2.5	10
64	Dithiocarbamate propineb induces acetylcholine release through cytoskeletal actin depolymerization in PC12 cells. Toxicology Letters, 2008, 182, 63-68.	0.8	9
65	Neurotoxicity: An active role for GLIA?. , 1998, 23, 1-12.		8
66	Glia-Neuron Sandwich Cocultures: An In Vitro Approach to Evaluate Cell-to-Cell Communication in Neuroinflammation and Neurotoxicity. Methods in Molecular Biology, 2011, 758, 135-152.	0.9	8
67	Trimethyltin but not triethyltin induces specific neural cell death through the protein stannin. , 1998, 23, 139-149.		4
68	Coculturing Neurons and Glial Cells. , 2003, Chapter 12, Unit12.10.		4
69	The predominant role of surfactants in the modulation of toxicity of detergent products: An in vitro analysis of shampoos. Toxicology in Vitro, 1994, 8, 91-98.	2.4	3
70	Actin modifications and calcium homoeostasis in neurotoxicity. The case of organotin salts. Toxicology in Vitro, 1997, 11, 499-503.	2.4	2
71	Role of SP-1 in SDS-Induced Adipose Differentiation Related Protein Synthesis in Human Keratinocytes. Gene Regulation and Systems Biology, 2007, 1, 117762500700100.	2.3	1
72	Neuron-Glia Interactions Studied with In Vitro Co-Cultures. Neuromethods, 2019, , 69-85.	0.3	1

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73	Role of SP-1 in SDS-induced adipose differentiation related protein synthesis in human keratinocytes. Gene Regulation and Systems Biology, 2007, 1, 207-15.	2.3	1
74	Cytokines in Neuronalâ€“Glial Interaction. , 2004, , 125-140.		0