

Calcium-Mediated Mechanisms in Chemically Induced

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Thiol modification and cell signalling in chemical toxicity. Toxicology Letters, 1992, 64-65, 563-567.	0.8	23
2	Water loss from eggs of domestic fowl and calcium status of hatchlings. Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology, 1993, 163, 327-331.	1.5	10
3	Ca ²⁺ oscillations in pancreatic acinar cells: spatiotemporal relationships and functional implications. Cell Calcium, 1993, 14, 746-757.	2.4	51
4	Towards an understanding of the role of glutamate in neurodegenerative disorders: energy metabolism and neuropathology. Experientia, 1993, 49, 1064-1072.	1.2	84
5	Lipid peroxidation. Biopathological significance. Molecular Aspects of Medicine, 1993, 14, 199-207.	6.4	68
6	Protective effect of various calcium antagonists against an experimentally induced calcium overload in isolated hepatocytes. Biochemical Pharmacology, 1993, 46, 1937-1944.	4.4	21
7	Cocaine hepatotoxicity: Two different toxicity mechanisms for phenobarbital-induced and non-induced rat hepatocytes. Biochemical Pharmacology, 1993, 46, 1967-1974.	4.4	27
8	Carbon tetrachloride-induced cell death in perfused livers from phenobarbital-pretreated rats under hypoxic conditions and various ionic milieu. Biochemical Pharmacology, 1993, 46, 2039-2049.	4.4	16
9	Inhibition of cell growth and alteration of cytosolic calcium levels in the cytotoxicity evaluation of nine MEIC chemicals. Toxicology in Vitro, 1993, 7, 511-516.	2.4	2
10	Degeneration of purkinje cells in parasagittal zones of the cerebellar vermis after treatment with ibogaine or harmaline. Neuroscience, 1993, 55, 303-310.	2.3	205
11	Structure-activity relationships for unsaturated dialdehydes 8 ⁺ . Comparative effects of 10 sesquiterpenoids on the sea urchin gamete fertilization. Toxicology in Vitro, 1993, 7, 205-212.	2.4	6
12	Local and global cytosolic Ca ²⁺ oscillations in exocrine cells evoked by agonists and inositol trisphosphate. Cell, 1993, 74, 661-668.	28.9	496
13	Increased intracellular Ca ²⁺ : a critical link in the pathophysiology of sepsis?. Proceedings of the National Academy of Sciences of the United States of America, 1993, 90, 3933-3937.	7.1	122
14	Effects of Selected Neuroactive Chemicals on Calcium Transporting Systems in Rat Cerebellum and on Survival of Cerebellar Granule Cells. Toxicological Sciences, 1993, 21, 308-316.	3.1	0
15	Modifications of Ca ²⁺ signaling by inorganic mercury in PC 12 cells. FASEB Journal, 1993, 7, 1507-1514.	0.5	63
16	Absence of endonuclease activation during acute cell death in renal proximal tubules. American Journal of Physiology - Cell Physiology, 1993, 265, C485-C490.	4.6	17
17	Mechanisms of cell injury by activated oxygen species.. Environmental Health Perspectives, 1994, 102, 17-24.	6.0	200
18	Measurement of cytosolic free calcium in perfused rat heart using TF-BAPTA. American Journal of Physiology - Cell Physiology, 1994, 266, C1323-C1329.	4.6	29

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19	Oxidative Signals in Tobacco Increase Cytosolic Calcium. <i>Plant Cell</i> , 1994, 6, 1301.	6.6	100
20	Calcium and Hormone Action. <i>Annual Review of Physiology</i> , 1994, 56, 297-319.	13.1	303
21	Dantrolene ameliorates the metabolic hallmarks of sepsis in rats and improves survival in a mouse model of endotoxemia.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1994, 91, 3039-3043.	7.1	57
22	Oxidative Signals in Tobacco Increase Cytosolic Calcium.. <i>Plant Cell</i> , 1994, 6, 1301-1310.	6.6	312
23	Thyroxine pretreatment and halothane administration alter Ca ²⁺ transport and transmembrane potential in rat liver mitochondria. <i>Archives of Toxicology</i> , 1994, 68, 103-109.	4.2	4
24	Intracellular Ca ²⁺ concentrations are not elevated in resting cultured muscle from Duchenne (DMD) patients and in MDX mouse muscle fibres. <i>Pflugers Archiv European Journal of Physiology</i> , 1994, 426, 499-505.	2.8	57
25	Nuclear Ca ²⁺ : physiological regulation and role in apoptosis. <i>Molecular and Cellular Biochemistry</i> , 1994, 135, 89-98.	3.1	66
26	Compromised mitochondrial function results in dephosphorylation of tau through a calcium-dependent process in rat brain cerebral cortical slices. <i>Neurochemical Research</i> , 1994, 19, 1151-1158.	3.3	24
27	Involvement of glutamate receptors, lipases, and phospholipases in long-term potentiation and neurodegeneration. <i>Journal of Neuroscience Research</i> , 1994, 38, 6-11.	2.9	73
28	Calpain inhibitors block Ca ²⁺ -induced suppression of neurite outgrowth in isolated hippocampal pyramidal neurons. <i>Journal of Neuroscience Research</i> , 1994, 39, 474-481.	2.9	50
29	Cellular reducing equivalents and oxidative stress. <i>Free Radical Biology and Medicine</i> , 1994, 17, 65-75.	2.9	247
30	Nuclear calcium transport and the role of calcium in apoptosis. <i>Cell Calcium</i> , 1994, 16, 279-288.	2.4	178
31	Differential effects of polychlorinated biphenyl congeners on phosphoinositide hydrolysis and protein kinase C translocation in rat cerebellar granule cells. <i>Brain Research</i> , 1994, 662, 75-82.	2.2	97
32	Induction of enhanced postnatal expression of immunoreactive calbindin-D28k in rat forebrain by the calcium antagonist nimodipine. <i>Developmental Brain Research</i> , 1994, 79, 10-18.	1.7	14
33	Physiological Cell Death during Development and Its Relationship to Aging. <i>Annals of the New York Academy of Sciences</i> , 1994, 719, 212-229.	3.8	23
34	Ca ²⁺ -dependent permeabilization of the inner mitochondrial membrane by 4,4'-diisothiocyanatostilbene-2,2'-disulfonic acid (DIDS). <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1994, 1188, 93-100.	1.0	51
35	Possible role of calcium in phospholipid synthesis of <i>Microsporum gypseum</i> . <i>Lipids and Lipid Metabolism</i> , 1994, 1215, 337-340.	2.6	6
36	Effect of oxidative stress and disruption of Ca ²⁺ homeostasis on hepatocyte canalicular function in vitro. <i>Biochemical Pharmacology</i> , 1994, 47, 625-632.	4.4	31

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37	Effects of long-chain fatty amines on the growth of ras-transformed NIH 3T3 cells. <i>Biochemical Pharmacology</i> , 1994, 47, 1909-1916.	4.4	13
38	Cisplatin nephrotoxicity: Decreases in mitochondrial protein sulphhydryl concentration and calcium uptake by mitochondria from rat renal cortical slices. <i>Biochemical Pharmacology</i> , 1994, 47, 1127-1135.	4.4	74
39	Glutamate-induced neuronal death in cerebellar culture is mediated by two distinct components: a sodium-chloride component and a calcium component. <i>Brain Research</i> , 1994, 650, 49-55.	2.2	51
40	Embryotoxic potency of 2,4,5-trichlorophenoxyacetic acid on sea urchin eggs: Association with calcium homeostasis. <i>Toxicology in Vitro</i> , 1994, 8, 1097-1105.	2.4	6
41	A comparative study of the calcium-binding proteins calbindin-D28K, calretinin, calmodulin and parvalbumin in the rat spinal cord. <i>Brain Research Reviews</i> , 1994, 19, 163-179.	9.0	172
42	Inhibition of hormone-stimulated inositol phosphate production and disruption of cytoskeletal structure. Effects of okadaic acid, microcystin, chlorpromazine, W7 and nystatin. <i>Toxicon</i> , 1994, 32, 105-112.	1.6	22
43	Effect of treatment with the dihydropyridine-type calcium antagonist darodipine (PY 108-068) on the expression of neurofilament protein immunoreactivity in the cerebellar cortex of aged rats. <i>Mechanisms of Ageing and Development</i> , 1994, 75, 169-177.	4.6	4
44	Impairment in mitochondrial cytochrome oxidase gene expression in Alzheimer disease. <i>Molecular Brain Research</i> , 1994, 24, 336-340.	2.3	195
45	Release of intracellular calcium and stimulation of cell growth by ATP and histamine in human ovarian cancer cells (SKOV-3). <i>Cancer Letters</i> , 1994, 77, 57-63.	7.2	29
46	Apoptosis and p53 protein expression in human hepatoma cells induced by etoposide, mitomycin C and thapsigargin. <i>International Hepatology Communications</i> , 1994, 2, 305-309.	0.7	4
47	The biology and medicine of calcium signalling. <i>Molecular and Cellular Endocrinology</i> , 1994, 98, 119-124.	3.2	94
48	Thapsigargin-induced persistent intracellular calcium pool depletion and apoptosis in human hepatoma cells. <i>Cancer Letters</i> , 1994, 79, 147-155.	7.2	81
49	Cortical neurons containing calretinin are selectively resistant to calcium overload and excitotoxicity in vitro. <i>Neuroscience</i> , 1994, 61, 307-316.	2.3	153
50	On the mechanisms of 3-tert-butyl-4-hydroxyanisole- and its metabolites-induced cytotoxicities in isolated rat hepatocytes. <i>European Journal of Pharmacology - Environmental Toxicology and Pharmacology Section</i> , 1994, 270, 341-348.	0.8	9
51	Effects of procaine and two of its metabolites on cisplatin-induced kidney injury in vitro: Mitochondrial aspects. <i>Toxicology in Vitro</i> , 1994, 8, 477-481.	2.4	9
52	Stimulation of Respiration in Rat Thymocytes Induced by Ionizing Radiation. <i>Radiation Research</i> , 1994, 138, 114.	1.5	9
53	Voltage-dependent calcium currents are enhanced in dorsal root ganglion neurones from the Bio Bred/Worcester diabetic rat.. <i>Journal of Physiology</i> , 1995, 486, 313-322.	2.9	97
54	Mechanism of citrinin-induced dysfunction of mitochondria. IV Effect on Ca ²⁺ transport. <i>Cell Biochemistry and Function</i> , 1995, 13, 53-59.	2.9	37

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55	Mechanism of toxicity of precocene II in rat hepatocyte cultures. Journal of Biochemical Toxicology, 1995, 10, 265-273.	0.4	15
56	Cytotoxicity of propyl gallate and related compounds in rat hepatocytes. Archives of Toxicology, 1995, 69, 204-208.	4.2	57
57	A digitized fluorescence imaging study of intracellular Ca ²⁺ , pH, and mitochondrial function in primary cultures of rabbit corneal epithelial cells exposed to sodium dodecyl sulfate. In Vitro Cellular and Developmental Biology - Animal, 1995, 31, 499-507.	1.5	8
58	The effect of furosemide on calcium ion concentration in myocardial cells. Cell Calcium, 1995, 18, 135-139.	2.4	17
59	Menadione-induced cytotoxicity in rat platelets: Absence of the detoxifying enzyme, quinone reductase. Archives of Pharmacal Research, 1995, 18, 256-261.	6.3	3
60	Bases of Excitatory Amino Acid System-Related Neurotoxicity. , 1995, , 359-370.		3
61	An Evaluation of the Role of Calcium in Cell Injury. Annual Review of Pharmacology and Toxicology, 1995, 35, 129-144.	9.4	94
62	Protective Effects of Calcium Channel Blockers on Acute Bromobenzene Toxicity to Isolated Rat Hepatocytes Inhibition of Phenylephrine-Induced Calcium Oscillations. Scandinavian Journal of Gastroenterology, 1995, 30, 590-600.	1.5	9
63	Apoptosis Overview Emphasizing the Role of Oxidative Stress, DNA Damage and Signal- Transduction Pathways. Leukemia and Lymphoma, 1995, 19, 43-93.	1.3	161
64	Calcium ion-dependent signalling and mitochondrial dysfunction: mitochondrial calcium uptake during hormonal stimulation in intact liver cells and its implication for the mitochondrial permeability transition. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1995, 1271, 93-102.	3.8	76
65	Mechanisms for nitric oxide-induced cell death: Involvement of apoptosis. Advances in Neuroimmunology, 1995, 5, 411-420.	1.8	108
66	Neuroprotection against NMDA induced cell death in rat nucleus basalis by Ca ²⁺ antagonist nimodipine, influence of aging and developmental drug treatment. Experimental Neurology, 1995, 4, 307-314.	1.7	52
67	Platelet-activating factor is a synapse messenger and a modulator of gene expression in the nervous system. Neurochemistry International, 1995, 26, 435-441.	3.8	19
68	Ruthenium red protects against glutamate-induced neuronal death in cerebellar culture. Neuroscience Letters, 1995, 201, 53-56.	2.1	24
69	Effect of treatment with the dihydropyridine-type calcium antagonist darodipine (PY 108-068) on the expression of calbindin d-28k immunoreactivity in the cerebellar cortex of aged rats. Mechanisms of Ageing and Development, 1995, 77, 149-157.	4.6	10
70	Effect of long term treatment with the dihydropyridine-type calcium channel blocker darodipine (PY) Tj ETQq1 1 0.784314 rgBT /Overbo 78, 27-37.	4.6	26
71	ATP-dependent accumulation and inositol trisphosphate- or cyclic ADP-ribose-mediated release of Ca ²⁺ from the nuclear envelope. Cell, 1995, 80, 439-444.	28.9	367
72	Cytotoxic effects of postharvest fungicides, -Phenylphenol, thiabendazole and imazalil, on isolated rat hepatocytes. Life Sciences, 1995, 57, 1433-1440.	4.3	40

#	ARTICLE	IF	CITATIONS
73	N-ethyl maleimide stimulates arachidonic acid release through activation of the signal-responsive phospholipase A2 in endothelial cells. <i>Biochemical Pharmacology</i> , 1995, 49, 57-63.	4.4	16
74	Evidence for the activation of the signal-responsive phospholipase A2 by exogenous hydrogen peroxide. <i>Biochemical Pharmacology</i> , 1995, 50, 753-761.	4.4	61
75	4-Ipomeanol and 2-aminoanthracene cytotoxicity in C3H/10T12 cells expressing rabbit cytochrome P450 4B1. <i>Biochemical Pharmacology</i> , 1995, 50, 1567-1575.	4.4	30
76	Liver cell necrosis: Cellular mechanisms and clinical implications. <i>Gastroenterology</i> , 1995, 108, 252-275.	1.3	358
77	Trophic effect of collicular proteoglycan on neonatal rat retinal ganglion cells in situ. <i>Developmental Brain Research</i> , 1995, 84, 77-88.	1.7	26
78	Evidence for calcium regulation of spinal cord motoneuron death in the chick embryo in vivo. <i>Developmental Brain Research</i> , 1995, 86, 167-179.	1.7	12
79	Mechanisms of neurotoxicity: applications to human biomonitoring. <i>Toxicology Letters</i> , 1995, 77, 63-72.	0.8	26
80	Assessment of the neurotoxicity of styrene, styrene oxide, and styrene glycol in primary cultures of motor and sensory neurons. <i>Toxicology Letters</i> , 1995, 75, 29-37.	0.8	26
81	Mediators of Injury in Neurotrauma: Intracellular Signal Transduction and Gene Expression. <i>Journal of Neurotrauma</i> , 1995, 12, 791-814.	3.4	188
82	Cadmium-induced dna fragmentation is inhibitable by zinc in porcine kidney LLC-PK1 cells. <i>Life Sciences</i> , 1995, 56, PL351-PL356.	4.3	41
83	Amplification of glutamate-induced oxidative stress. <i>Toxicology Letters</i> , 1995, 82-83, 399-405.	0.8	38
84	Is an elevated concentration of acinar cytosolic free ionised calcium the trigger for acute pancreatitis?. <i>Lancet, The</i> , 1995, 346, 1016-1019.	13.7	163
85	Localization of the Ca ²⁺ -binding $\hat{I}\pm$ -Parvalbumin and its mRNA in epiphyseal plate cartilage and bone of growing rats. <i>Bone</i> , 1995, 17, 121-130.	2.9	10
86	Age-related changes in brain microanatomy: Sensitivity to treatment with the dihydropyridine calcium channel blocker darodipine (PY 108-068). <i>Brain Research Bulletin</i> , 1995, 36, 453-460.	3.0	25
87	Improved Non-Steroid Anti-Inflammatory Drugs: COX-2 Enzyme Inhibitors. , 1996, , .		22
88	Cisplatin-induced nephrotoxicity in vitro: increases in cytosolic calcium concentration and the inhibition of cytosolic and mitochondrial protein kinase C. <i>Toxicology Letters</i> , 1996, 89, 11-17.	0.8	13
89	Neurotrophin-4/5 selectively protects nigral calbindin-containing neurons in rats with medial forebrain bundle transections. <i>Neuroscience</i> , 1996, 72, 911-921.	2.3	26
90	Direct detection of ototoxicant-induced reactive oxygen species generation in cochlear explants. <i>Hearing Research</i> , 1996, 98, 116-124.	2.0	283

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91	Calcium homeostasis and early embryotoxicity in marine invertebrates. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1996, 113, 169-175.	0.5	2
92	Role of calcium in cisplatin-induced cell toxicity in rat renal cortical slices. Toxicology in Vitro, 1996, 10, 205-209.	2.4	14
93	Effects of caulerpenyne, the major toxin from Caulerpa taxifolia on mechanisms related to sea urchin egg cleavage. Aquatic Toxicology, 1996, 35, 139-155.	4.0	47
94	Failure of nimodipine to prevent or correct the long-term nerve conduction defect and increased neuronal Ca ²⁺ -currents in the diabetic BB/W-rat. Diabetes Research and Clinical Practice, 1996, 32, 135-140.	2.8	9
95	Exposure to the parkinsonian neurotoxin 1-methyl-4-phenylpyridinium (MPP+) and nitric oxide simultaneously causes cyclosporin A-sensitive mitochondrial calcium efflux and depolarisation. Biochemical Pharmacology, 1996, 51, 267-273.	4.4	46
96	Effects of dicoumarol on cytotoxicity caused by tert-butylhydroquinone in isolated rat hepatocytes. Toxicology Letters, 1996, 84, 63-68.	0.8	7
97	Lymphocyte Apoptosis: Mediation by Increased Type 3 Inositol 1,4,5-Trisphosphate Receptor. Science, 1996, 273, 503-507.	12.6	276
98	Ultrastructural localization of β -parvalbumin in the epiphyseal plate cartilage and bone of growing rats. Bone, 1996, 19, 245-253.	2.9	2
99	ATP regulates calcium leak from agonist-sensitive internal calcium stores. FASEB Journal, 1996, 10, 302-308.	0.5	84
100	Regulation of inositol trisphosphate receptors by luminal Ca ²⁺ contributes to quantal Ca ²⁺ mobilization.. EMBO Journal, 1996, 15, 2086-2093.	7.8	56
101	Cytosolic calcium and oxidative plant stress. Biochemical Society Transactions, 1996, 24, 479-483.	3.4	11
102	Impairment of Intracellular Calcium Homeostasis in the Exocrine Pancreas after Caerulein-Induced Acute Pancreatitis in the Rat. Clinical Science, 1996, 91, 365-369.	4.3	21
103	AIDS-associated neurological disorders. Neurophysiology, 1996, 28, 178-186.	0.3	0
104	The Ca ²⁺ -binding proteins parvalbumin and oncomodulin and their genes: new structural and functional findings. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 1996, 1306, 39-54.	2.4	121
105	Regulation of cytosolic calcium levels in vascular smooth muscle. , 1996, 69, 153-171.		80
106	Mechanism of tetrahydroxy-1,4-quinone cytotoxicity: Involvement of Ca ²⁺ and H ₂ O ₂ in the impairment of DNA replication and mitochondrial function. Free Radical Biology and Medicine, 1996, 20, 657-666.	2.9	11
107	Calcium transport pathways in the nucleus. Pflugers Archiv European Journal of Physiology, 1996, 432, 1-6.	2.8	93
108	Permeability transition pore of the inner mitochondrial membrane can operate in two open states with different selectivities. Journal of Bioenergetics and Biomembranes, 1996, 28, 139-146.	2.3	74

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109	Inhibition of microsomal and mitochondrial Ca ²⁺ -sequestration in rat cerebellum by polychlorinated biphenyl mixtures and congeners. Archives of Toxicology, 1996, 70, 150-157.	4.2	90
110	Enhanced lipid peroxidation by extracellular ATP in PC12 cells. Neurochemical Research, 1996, 21, 27-33.	3.3	16
111	Ca ²⁺ homeostasis and Ca ²⁺ signalling in sulphur mustard-exposed normal human epidermal keratinocytes. Chemico-Biological Interactions, 1996, 100, 85-93.	4.0	17
112	Control of the pyridine nucleotide-linked Ca ²⁺ release from mitochondria by respiratory substrates. Cell Calcium, 1996, 19, 521-526.	2.4	9
113	Ether lipid-induced cell damage of neuroblastoma cells is only weakly correlated with increased intracellular Ca ²⁺ levels. Cell Calcium, 1996, 19, 383-390.	2.4	9
114	Protective Effects of Ca ²⁺ Channel Blockers against Methyl Mercury Toxicity. Basic and Clinical Pharmacology and Toxicology, 1996, 78, 193-199.	0.0	65
115	The Effect of Ageing and <i>in vitro</i> Exposure to Xylene and KCl on [Ca ²⁺] _i in Synaptosomes from Rats Exposed Prenatally to Xylene. Basic and Clinical Pharmacology and Toxicology, 1996, 78, 409-412.	0.0	2
116	Effects of carbamylcholine and pyridostigmine on cytoskeleton-bound and cytosolic phosphofructokinase and ATP levels in different rat tissues. General Pharmacology, 1996, 27, 1241-1246.	0.7	7
117	The translational inhibitor cycloheximide represses growth factor depletion-induced apoptosis in an alb-SV40T transgenic rat liver cell line. Hepatology, 1996, 23, 1591-1601.	7.3	8
118	Induction of apoptosis in HT-29 cells infected with SA-11 rotavirus. , 1996, 50, 325-334.		32
119	Use of Aplysia neurons for the study of cellular alterations and the resealing of transected axons in vitro. Journal of Neuroscience Methods, 1996, 69, 91-102.	2.5	40
120	Relationship between mitochondrial dysfunction and toxicity of propyl gallate in isolated rat hepatocytes. Toxicology, 1996, 114, 135-145.	4.2	25
121	Oxidative damage to sarcoplasmic reticulum Ca ²⁺ -pump induced by Fe ²⁺ /H ₂ O ₂ /ascorbate is not mediated by lipid peroxidation or thiol oxidation and leads to protein fragmentation. Molecular and Cellular Biochemistry, 1996, 159, 105-114.	3.1	57
122	Programmed cell death and radioresistance. Cancer and Metastasis Reviews, 1996, 15, 119-131.	5.9	69
123	Neuronal apoptosis versus necrosis induced by glutamate or free radicals. Apoptosis: an International Journal on Programmed Cell Death, 1996, 1, 5-10.	4.9	17
124	Translational suppression by Ca ²⁺ ionophores: Reversibility and roles of Ca ²⁺ mobilization, Ca ²⁺ influx, and nucleotide depletion. Cell Biology and Toxicology, 1996, 12, 101-113.	5.3	18
125	Effect of glutamate receptor ligands on mitochondrial membrane potential in rat dissociated cerebellar cells. Naunyn-Schmiedeberg's Archives of Pharmacology, 1996, 354, 420-423.	3.0	15
126	tBHP induced in vitro swelling of rat liver mitochondria. Molecular and Cellular Biochemistry, 1996, 154, 39-45.	3.1	12

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127	Effect of Verapamil on Allyl Alcohol Hepatotoxicity. Drug Metabolism and Drug Interactions, 1996, 13, 87-98.	0.3	1
128	Transgenic AEQUORIN Reveals Organ-Specific Cytosolic Ca ²⁺ Responses to Anoxia in Arabidopsis thaliana Seedlings. Plant Physiology, 1996, 111, 243-257.	4.8	156
129	Free Radical Generation as Induced by Ochratoxin A and Its Analogs in Bacteria (Bacillus brevis). Journal of Biological Chemistry, 1996, 271, 27388-27394.	3.4	51
130	Ca ²⁺ loading reduces the tensile strength of sarcolemmal vesicles shed from rabbit muscle.. Journal of Physiology, 1996, 493, 199-209.	2.9	6
131	Calcium dependence of calcium extrusion and calcium uptake in mouse pancreatic acinar cells.. Journal of Physiology, 1996, 490, 585-593.	2.9	79
132	Calcium and Graviperception in Plants: Inhibitor Analysis. International Review of Cytology, 1996, 168, 123-185.	6.2	22
133	Disturbed Cell Arrangement, Increased Cell Membrane Permeability and Apoptotic Cell Death Occur in Adenomyotic Uterine Tissues in Mice. Zoological Science, 1997, 14, 659-664.	0.7	7
134	Biochemical Indicators of Acute Pancreatitis. , 1997, , 75-124.		3
135	Study of the interactions of cadmium and zinc ions with cellular calcium homoeostasis using 19F-NMR spectroscopy. Biochemical Journal, 1997, 322, 793-799.	3.7	98
136	Selective Protein Arylation and Acetaminophen-Induced Hepatotoxicity. Drug Metabolism Reviews, 1997, 29, 59-77.	3.6	155
137	Role of Na ⁺ /Ca ²⁺ Exchanger in Preventing Na ⁺ Overload and Hepatocyte Injury: Opposite Effects of Extracellular and Intracellular Ca ²⁺ Chelation. Biochemical and Biophysical Research Communications, 1997, 232, 107-110.	2.1	21
138	Interaction of Metals with Muscarinic Cholinoceptor and Adrenoceptor Binding, and Agonist-Stimulated Inositol Phospholipid Hydrolysis in Rat Brain. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1997, 116, 111-116.	0.5	2
139	Actin modifications and calcium homoeostasis in neurotoxicity. The case of organotin salts. Toxicology in Vitro, 1997, 11, 499-503.	2.4	2
140	Cytotoxic effects of 2,6-di-tert-butyl-4-methylphenyl N-methylcarbamate (terbutol) herbicide on hepatocytes and mitochondria isolated from male rats. Environmental Toxicology and Pharmacology, 1997, 3, 167-173.	4.0	5
141	EFFECTS OF PROBENECID ON PLATELET AGGREGATION AND CYTOTOXICITY: DRAWBACKS OF THE USE OF PROBENECID IN MONITORING INTRACELLULAR CALCIUM METABOLISM. Thrombosis Research, 1997, 85, 345-350.	1.7	4
142	Sucralfate prevents bile acidâ€”induced retardation of gastric epithelial repair in a rabbit cultured cell model. Current Therapeutic Research, 1997, 58, 533-543.	1.2	0
143	On the Role of DNA Double-Strand Breaks in Toxicity and Carcinogenesis. Critical Reviews in Toxicology, 1997, 27, 155-174.	3.9	103
144	Interrelationships between astrocyte function, oxidative stress and antioxidant status within the central nervous system. Progress in Neurobiology, 1997, 52, 261-281.	5.7	156

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145	Evidence that 4-Hydroxynonenal Mediates Oxidative Stress-Induced Neuronal Apoptosis. Journal of Neuroscience, 1997, 17, 5089-5100.	3.6	712
146	Axonal Transport Blockade in the Neonatal Rat Optic Nerve Induces Limited Retinal Ganglion Cell Death. Journal of Neuroscience, 1997, 17, 7045-7052.	3.6	25
147	Calx, a Na-Ca exchanger gene of Drosophila melanogaster. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 10249-10254.	7.1	194
148	Decreased Glutathione Results in Calcium-Mediated Cell Death in PC12. Free Radical Biology and Medicine, 1997, 23, 1055-1066.	2.9	63
149	Modulation of neuronal mitochondrial membrane potential by the NMDA receptor: role of arachidonic acid. Brain Research, 1997, 777, 69-74.	2.2	20
150	Apoptosis and necrosis in toxicology: A continuum or distinct modes of cell death?. , 1997, 75, 153-177.		180
151	Intracellular calcium chelator BAPTA protects cells against toxic calcium overload but also alters physiological calcium responses. Cell Calcium, 1997, 21, 453-459.	2.4	37
152	Reactive Oxygen and Nitrogen Species Regulate Mitochondrial Ca ²⁺ Homeostasis and Respiration. Bioscience Reports, 1997, 17, 53-66.	2.4	91
153	Mechanism of Calcium Entry during Axon Injury and Degeneration. Toxicology and Applied Pharmacology, 1997, 143, 233-244.	2.8	148
154	Depletion of Glutathione by Benzo(a)pyrene Metabolites, Ionomycin, Thapsigargin, and Phorbol Myristate in Human Peripheral Blood Mononuclear Cells. Toxicology and Applied Pharmacology, 1997, 144, 62-69.	2.8	60
155	Furan-Mediated Uncoupling of Hepatic Oxidative Phosphorylation in Fischer-344 Rats: An Early Event in Cell Death. Toxicology and Applied Pharmacology, 1997, 144, 1-11.	2.8	54
156	The Role of Intracellular Calcium in Antimony-Induced Toxicity in Cultured Cardiac Myocytes. Toxicology and Applied Pharmacology, 1997, 145, 202-210.	2.8	21
157	Acetaminophen metabolism and cytotoxicity in PC12 cells transfected with cytochrome P4502E1. Journal of Molecular Medicine, 1997, 75, 522-527.	3.9	27
158	An immunosuppressive agent, FTY720, increases intracellular concentration of calcium ion and induces apoptosis in HL-60. Immunology, 1997, 91, 594-600.	4.4	46
159	Association of c-fos mRNA expression and excitotoxicity in primary cultures of mouse neocortical and cerebellar neurons. , 1997, 48, 533-542.		32
160	Molecular Events and Mechanisms of Apoptosis. Sepsis, 1998, 2, 9-19.	0.5	24
161	Influence of antioxidants on the peroxidative swelling of mitochondria in vitro. Cell Biology and Toxicology, 1998, 14, 313-321.	5.3	10
162	Calcium ionophore-induced degradation of neurofilament and cell death in MSN neuroblastoma cells. Neurochemical Research, 1998, 23, 393-400.	3.3	10

#	ARTICLE	IF	CITATIONS
163	Allylamine Cardiovascular Toxicity: Evidence for Aberrant Vasoreactivity in Rats. Toxicology and Applied Pharmacology, 1998, 148, 245-251.	2.8	27
164	Repeated Exposure of Adult Rats to Aroclor 1254 Causes Brain Region-Specific Changes in Intracellular Ca ²⁺ Buffering and Protein Kinase C Activity in the Absence of Changes in Tyrosine Hydroxylase. Toxicology and Applied Pharmacology, 1998, 153, 186-198.	2.8	64
165	Glutamine synthetase activity and HSP70 levels in cultured rat astrocytes: effect of 1-octadecyl-2-methyl-rac-glycero-3-phosphocholine. Brain Research, 1998, 783, 143-150.	2.2	24
166	Calcium, free radicals and excitotoxins in neuronal apoptosis. Cell Calcium, 1998, 23, 165-171.	2.4	189
167	Influence of organochlorine pesticides on transmembrane potential, oxidative activity, and ATP-induced calcium release in cultured bovine oviductal cells. Reproductive Toxicology, 1998, 12, 551-557.	2.9	18
168	Oxidative damage to sarcoplasmic reticulum Ca ²⁺ -ATPase at submicromolar iron concentrations: evidence for metal-catalyzed oxidation. Free Radical Biology and Medicine, 1998, 25, 554-560.	2.9	67
169	Calcium influx via L-type voltage-gated channels mediates the delayed, elevated increases in steady-state c-fos mRNA levels in cerebellar granule cells exposed to excitotoxic levels of glutamate. Journal of Neuroscience Research, 1998, 52, 641-652.	2.9	15
170	The nuclear envelope of resting C6 glioma cells is able to release and uptake Ca ²⁺ in the absence of chemical stimulation. Pflügers Archiv European Journal of Physiology, 1998, 435, 357-361.	2.8	12
171	The role of calcium in paracetamol (acetaminophen) cytotoxicity in PC12 cells transfected with CYP4502E1. Inflammopharmacology, 1998, 6, 133-142.	3.9	7
172	Calcium and neuronal death. , 1998, 132, 79-125.		96
173	The Dorothy Russell Memorial Lecture* The molecular and cellular sequelae of experimental traumatic brain injury: pathogenetic mechanisms. Neuropathology and Applied Neurobiology, 1998, 24, 251-267.	3.2	234
174	Antimony trichloride induces DNA damage and apoptosis in mammalian cells. Toxicology, 1998, 129, 113-123.	4.2	41
175	Glutamate-induced cytotoxicity in PC12 pheochromocytoma cells: role of oxidation of phospholipids, glutathione and protein sulfhydryls revealed by bcl-2 transfection. Molecular Brain Research, 1998, 60, 270-281.	2.3	31
176	Discrimination between genotoxicity and cytotoxicity in the induction of DNA double-strand breaks in cells treated with etoposide, melphalan, cisplatin, potassium cyanide, Triton X-100, and ¹³⁷ Ir-irradiation. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 1998, 413, 83-94.	1.7	75
177	Muscle cells from mdx mice have an increased susceptibility to oxidative stress. Neuromuscular Disorders, 1998, 8, 14-21.	0.6	184
178	Aluminum alters intracellular calcium homeostasis in vitro. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 1998, 1406, 315-320.	3.8	29
179	Effect of the opioid methionine enkephalinamide on signal transduction in human T-lymphocytes. Life Sciences, 1998, 62, 1251-1259.	4.3	13
180	Nitric Oxide and Its Congeners in Mitochondria: Implications for Apoptosis. Environmental Health Perspectives, 1998, 106, 1125.	6.0	7

#	ARTICLE	IF	CITATIONS
181	INTESTINAL EPITHELIAL HYPERPERMEABILITY. Gastroenterology Clinics of North America, 1998, 27, 289-307.	2.2	46
182	The role of calcium in apoptosis. Cell Calcium, 1998, 23, 173-180.	2.4	441
183	Potential therapeutic targets for Alzheimer's disease. Expert Opinion on Therapeutic Targets, 1998, 2, 157-179.	1.0	6
184	Effects of Oxidants on Properties of Fluorescent Calcium Indicators. Archives of Biochemistry and Biophysics, 1998, 350, 132-136.	3.0	6
185	An Examination of the Role of Increased Cytosolic Free Ca ²⁺ Concentrations in the Inhibition of mRNA Translation. Archives of Biochemistry and Biophysics, 1998, 354, 270-280.	3.0	16
186	HIV-1 Protein Tat Induces Apoptosis of Hippocampal Neurons by a Mechanism Involving Caspase Activation, Calcium Overload, and Oxidative Stress. Experimental Neurology, 1998, 154, 276-288.	4.1	381
187	â€” REVIEW : Excitotoxicity, Free Radicals, Necrosis, and Apoptosis. Neuroscientist, 1998, 4, 345-352.	3.5	9
188	Mechanism of p-Hydroxybenzoate Ester-induced Mitochondrial Dysfunction and Cytotoxicity in Isolated Rat Hepatocytes. Biochemical Pharmacology, 1998, 55, 1907-1914.	4.4	82
189	Prevention of Mitochondrial Injury by Manganese Superoxide Dismutase Reveals a Primary Mechanism for Alkaline-induced Cell Death. Journal of Biological Chemistry, 1998, 273, 8217-8224.	3.4	126
190	Novel Pharmacologic Strategies in the Treatment of Experimental Traumatic Brain Injury: 1998. Journal of Neurotrauma, 1998, 15, 731-769.	3.4	294
191	SIGNAL TRANSDUCTION IN ENVIRONMENTAL NEUROTOXICITY. Annual Review of Pharmacology and Toxicology, 1998, 38, 21-43.	9.4	61
192	A Relationship between 5-Lipoxygenase-activating Protein and bcl-xL Expression in Murine Pro-B Lymphocytic FL5.12 Cells. Journal of Biological Chemistry, 1998, 273, 28163-28169.	3.4	45
193	Protective Effect of Nifedipine against Carrageenan-Induced Inflammation. Pharmacology, 1998, 56, 131-136.	2.2	9
194	Brain Morphogenesis and Developmental Neurotoxicology. , 1998, , 3-41.		4
195	Nitric oxide and its congeners in mitochondria: implications for apoptosis.. Environmental Health Perspectives, 1998, 106, 1125-1130.	6.0	20
196	Serum From Diabetic BB/W Rats Enhances Calcium Currents in Primary Sensory Neurons. Journal of Neurophysiology, 1998, 80, 1236-1244.	1.8	32
197	In vitro techniques for the assessment of neurotoxicity.. Environmental Health Perspectives, 1998, 106, 131-158.	6.0	114
198	Interactive effects of environmentally relevant polychlorinated biphenyls and dioxins on [3H]phorbol ester binding in rat cerebellar granule cells.. Environmental Health Perspectives, 1998, 106, 479-486.	6.0	19

#	ARTICLE	IF	CITATIONS
199	Cytosolic ionized Ca^{2+} modulates chemical hypoxia-induced hyperpermeability in intestinal epithelial monolayers. American Journal of Physiology - Renal Physiology, 1998, 274, G700-G708.	3.4	8
200	Nitric oxide regulates energy metabolism and Bcl-2 expression in intestinal epithelial cells. American Journal of Physiology - Renal Physiology, 1998, 274, G797-G801.	3.4	9
201	Iron Uptake Promotes Hyperoxic Injury to Alveolar Macrophages. American Journal of Respiratory and Critical Care Medicine, 1999, 159, 100-106.	5.6	22
202	Transmembrane Regulation of Intracellular Calcium by a Plasma Membrane Sodium/Calcium Exchanger in Mouse Ova1. Biology of Reproduction, 1999, 60, 1137-1143.	2.7	31
203	Hydrogen Peroxide Induces Intracellular Calcium Overload by Activation of a Non-selective Cation Channel in an Insulin-secreting Cell Line. Journal of Biological Chemistry, 1999, 274, 833-841.	3.4	103
204	DIETARY FACTORS IN HUMAN COLORECTAL CANCER. Annual Review of Nutrition, 1999, 19, 545-586.	10.1	269
205	Pivotal Role of Mitochondrial Calcium Uptake in Neural Cell Apoptosis and Necrosis. Journal of Neurochemistry, 1999, 72, 529-540.	3.9	307
206	Excitotoxins in Neuronal Apoptosis and Necrosis. Journal of Cerebral Blood Flow and Metabolism, 1999, 19, 583-591.	4.3	143
207	The Effect of <i>in vitro</i> Exposure to White Spirit on $[\text{Ca}^{2+}]_i$ in Synaptosomes from Rats Exposed Prenatally to White Spirit. Basic and Clinical Pharmacology and Toxicology, 1999, 84, 197-200.	0.0	8
208	The Protein Kinase Inhibitor 1-(5-Isoquinolinylnsulfonyl)-2-Methyl-piperzine (H-7) Prevents and Reverses Ca^{2+} -Mediated Injury in Isolated Rat Hepatocyte Couplets. Toxicology and Applied Pharmacology, 1999, 161, 192-201.	2.8	8
209	Neurotoxic potential of three structural analogs of beta-N-oxalyl-alpha,beta-diaminopropanoic acid (beta-ODAP). Neurochemical Research, 1999, 24, 791-797.	3.3	4
210	The Effects of Nitrogen-Containing Bisphosphonates on Human Epithelial (Caco-2) Cells, an In Vitro Model for Intestinal Epithelium. Journal of Bone and Mineral Research, 1999, 14, 784-791.	2.8	41
211	Differential expression and translocation of protein tyrosine phosphatase 1B-related proteins in ME-180 tumor cells expressing apoptotic sensitivity and resistance to tumor necrosis factor: potential interaction with epidermal growth factor receptor. Oncogene, 1999, 18, 967-978.	5.9	13
212	Intracellular free ionized calcium in the pathogenesis of acute pancreatitis. Bailliere's Best Practice and Research in Clinical Gastroenterology, 1999, 13, 241-251.	2.4	15
213	REGULATION OF GENE EXPRESSION BY REACTIVE OXYGEN. Annual Review of Pharmacology and Toxicology, 1999, 39, 67-101.	9.4	980
214	SR compartment calcium and cell apoptosis in SERCA overexpression. Cell Calcium, 1999, 26, 25-36.	2.4	61
215	Delayed neuronal migration of protein kinase $\text{C}\hat{\text{i}}^3$ immunoreactive cells in hippocampal CA1 area after 48 h of moderate hypoxemia in the near term ovine fetus. Developmental Brain Research, 1999, 114, 253-260.	1.7	8
216	Role of mitochondrial membrane permeability transition in p-hydroxybenzoate ester-induced cytotoxicity in rat hepatocytes. Biochemical Pharmacology, 1999, 58, 811-816.	4.4	71

#	ARTICLE	IF	CITATIONS
217	Diverse stimuli induce calpain overexpression and apoptosis in C6 glioma cells. Brain Research, 1999, 829, 18-27.	2.2	77
218	Calbindin-D 28kD immunofluorescence in ventral mesencephalic neurons labeled following injections of Fluoro-Gold in nucleus accumbens subterritories: inverse relationship relative to known neurotoxin vulnerabilities. Brain Research, 1999, 844, 67-77.	2.2	26
219	Nimodipine and flunarizine have different effects on survival and morphology of PC12 cells during nerve growth factor deprivation. European Journal of Pharmacology, 1999, 384, 61-70.	3.5	4
220	Early developmental changes in intracellular Ca ²⁺ stores in rat brain. Comparative Biochemistry and Physiology Part A, Molecular & Integrative Physiology, 1999, 123, 163-172.	1.8	11
221	Decreased ATP synthesis is phenotypically expressed during increased energy demand in fibroblasts containing mitochondrial tRNA mutations. FEBS Journal, 1999, 259, 462-469.	0.2	86
222	Selective targeting of an antioxidant to mitochondria. FEBS Journal, 1999, 263, 709-716.	0.2	409
223	Metabotropic glutamate receptor subtypes independently modulate neuronal intracellular calcium. , 1999, 55, 472-485.		55
224	Poliovirus infection induces apoptosis in CaCo-2 cells. , 1999, 59, 122-129.		38
225	Disease Modifying Agents for Huntington's Disease. CNS Drugs, 1999, 12, 383-389.	5.9	0
226	Cell death process initiated by a combination of aluminium and iron in suspension-cultured tobacco cells (<i>Nicotiana tabacum</i>): Apoptosis-like cell death mediated by calcium and proteinase. Soil Science and Plant Nutrition, 1999, 45, 647-657.	1.9	45
227	Toxicity of hepatotoxins: new insights into mechanisms and therapy. Expert Opinion on Investigational Drugs, 1999, 8, 585-607.	4.1	57
228	Modulation of palmitate-induced cardiomyocyte cell death by interventions that alter intracellular calcium. Prostaglandins Leukotrienes and Essential Fatty Acids, 1999, 61, 195-201.	2.2	13
229	Energetics of trout hepatocytes during A23187-induced disruption of Ca ²⁺ homeostasis. Comparative Biochemistry and Physiology C, Comparative Pharmacology and Toxicology, 1999, 124, 187-195.	0.5	6
230	The development of brain sex differences: a multisignaling process. Behavioural Brain Research, 1999, 105, 69-80.	2.2	67
231	In the neuronal cell line SH-SY5Y, oxidative stress-induced free radical overproduction causes cell death without any participation of intracellular Ca ²⁺ increase. Biochimica Et Biophysica Acta - Molecular Cell Research, 1999, 1452, 151-160.	4.1	61
232	Induction of Genotoxic Effects and Modulation of the Intracellular Calcium Level in Syrian Hamster Embryo (SHE) Fibroblasts caused by Ochratoxin A. Food and Chemical Toxicology, 1999, 37, 713-721.	3.6	57
233	The Ca ²⁺ /calmodulin signaling system in the neural response to excitability. involvement of neuronal and glial cells. Progress in Neurobiology, 1999, 58, 207-232.	5.7	30
234	Nitric oxide and cell death. Biochimica Et Biophysica Acta - Bioenergetics, 1999, 1411, 401-414.	1.0	371

#	ARTICLE	IF	CITATIONS
235	Role of Glutaraldehyde in Calcification of Porcine Aortic Valve Fibroblasts. American Journal of Pathology, 1999, 154, 843-852.	3.8	82
236	Validation of Genetically Engineered Bioluminescent Surfactant Resistant Bacteria as Toxicity Assessment Tools. Ecotoxicology and Environmental Safety, 1999, 43, 222-228.	6.0	25
237	The mitochondrial permeability transition pore and its role in cell death. Biochemical Journal, 1999, 341, 233.	3.7	735
238	The mitochondrial permeability transition pore and its role in cell death. Biochemical Journal, 1999, 341, 233-249.	3.7	2,092
239	Possible role for the FosB/JunD AP-1 transcription factor complex in glutamate-mediated excitotoxicity in cultured cerebellar granule cells. Journal of Neuroscience Research, 2000, 62, 427-439.	2.9	23
240	Mitochondrially targeted antioxidants and thiol reagents. Free Radical Biology and Medicine, 2000, 28, 1547-1554.	2.9	79
241	Drug delivery to mitochondria: the key to mitochondrial medicine. Advanced Drug Delivery Reviews, 2000, 41, 235-250.	13.7	398
242	Short-term ethanol exposure alters calbindin D28k and glial fibrillary acidic protein immunoreactivity in hippocampus of mice. Brain Research, 2000, 879, 55-64.	2.2	29
243	Oxidative stress and Ca ²⁺ influx upregulate calpain and induce apoptosis in PC12 cells. Brain Research, 2000, 852, 326-334.	2.2	184
244	Selective fatty acid release from intracellular phospholipids caused by PCBs in rat renal tubular cell cultures. Chemico-Biological Interactions, 2000, 125, 117-131.	4.0	16
245	Ca ²⁺ -induced redistribution of Ca ²⁺ /calmodulin-dependent protein kinase II associated with an endoplasmic reticulum stress response in vascular smooth muscle. Molecular and Cellular Biochemistry, 2000, 213, 83-92.	3.1	18
246	Cortical impact injury in rats promotes a rapid and sustained increase in polyunsaturated free fatty acids and diacylglycerols. Neurochemical Research, 2000, 25, 269-276.	3.3	54
247	Effect of cisplatin on mitochondrial protein, glutathione, and succinate dehydrogenase in Dalton lymphoma-bearing mice. Cell Biology and Toxicology, 2000, 16, 363-373.	5.3	31
248	Metabolism and cytotoxicity of bisphenol A and other bisphenols in isolated rat hepatocytes. Archives of Toxicology, 2000, 74, 99-105.	4.2	175
249	Long chain diamines inhibit growth of C6 glioma cells according to their hydrophobicity. An in vitro and molecular modeling study. Naunyn-Schmiedeberg's Archives of Pharmacology, 2000, 361, 235-246.	3.0	9
250	Signaling pathways between the plasma membrane and endoplasmic reticulum calcium stores. Cellular and Molecular Life Sciences, 2000, 57, 1272-1286.	5.4	95
251	Mitochondria as Targets for the Induction of Apoptosis in Photodynamic Therapy. , 2000, , 157-168.		2
252	EFFECTS OF REACTIVE OXYGEN SPECIES ON INTRACELLULAR CALCIUM IN BOVINE TRACHEAL EPITHELIUM: Modulation by Nitric Oxide. Experimental Lung Research, 2000, 26, 335-348.	1.2	9

#	ARTICLE	IF	CITATIONS
253	Hg ²⁺ and Cu ²⁺ interfere with agonist-mediated Ca ²⁺ signaling in isolated Mytilus digestive gland cells. <i>Aquatic Toxicology</i> , 2000, 49, 1-11.	4.0	7
254	Effects of 4,4'-diisothiocyanatostilbene-2,2'-disulfonic acid on <i>Trypanosoma cruzi</i> proliferation and Ca ²⁺ homeostasis. <i>International Journal of Biochemistry and Cell Biology</i> , 2000, 32, 519-527.	2.8	37
255	Preliminary evaluation of an in vitro test for assessment of excitotoxicity by measurement of early gene (c-fos mRNA) levels. <i>Toxicology in Vitro</i> , 2000, 14, 447-458.	2.4	9
256	Assessing Effects of Neurotoxic Pollutants by Biochemical Markers. <i>Environmental Research</i> , 2001, 85, 31-36.	7.5	35
257	Cytotoxic effect and electrophysiologic activity of (R)-bucagaine, an alkylpyrrolidine alkaloid against MRC-5 fibroblasts. <i>Toxicol</i> , 2001, 39, 485-490.	1.6	4
258	Increased calcium influx is responsible for the sustained mechanical tone in colon from dystrophic (mdx) mice. <i>Gastroenterology</i> , 2001, 120, 1430-1437.	1.3	19
259	Enhancement of hyperthermia-induced apoptosis by a free radical initiator, 2,2'-azobis (2-amidinopropane) dihydrochloride, in human histiocytic lymphoma U937 cells. <i>Free Radical Research</i> , 2001, 35, 281-299.	3.3	36
260	Development of lipophilic cations as therapies for disorders due to mitochondrial dysfunction. <i>Expert Opinion on Biological Therapy</i> , 2001, 1, 753-764.	3.1	65
261	Differential effects of two lots of aroclor 1254: congener-specific analysis and neurochemical endpoints. <i>Environmental Health Perspectives</i> , 2001, 109, 1153-1161.	6.0	86
262	Targeted inhibition of calcineurin signaling blocks calcium-dependent reactivation of Kaposi sarcoma-associated herpesvirus. <i>Blood</i> , 2001, 97, 2374-2380.	1.4	54
264	Characteristics of non-specific permeability and H ⁺ -ATPase inhibition induced in the plasma membrane of <i>Nitella flexilis</i> by excessive Cu ²⁺ . <i>Planta</i> , 2001, 212, 583-590.	3.2	38
265	2,3-Dimercaptopropanol inhibits Ca ²⁺ transport in microsomes from brain but not from fast-skeletal muscle. <i>Neurochemical Research</i> , 2001, 26, 251-256.	3.3	1
266	Hypertensive brain damage: comparative evaluation of protective effect of treatment with dihydropyridine derivatives in spontaneously hypertensive rats. <i>Mechanisms of Ageing and Development</i> , 2001, 122, 2085-2105.	4.6	47
267	Apoptosis and Cell Death Channels in Prostate Cancer. <i>Archives of Medical Research</i> , 2001, 32, 175-185.	3.3	34
268	Treatment of aged rat sensory neurons in short-term, serum-free culture with nerve growth factor reverses the effect of aging on neurite outgrowth, calcium currents, and neuronal survival. <i>Brain Research</i> , 2001, 888, 128-137.	2.2	18
269	The effects of LY393613, nimodipine and verapamil, in focal cerebral ischaemia. <i>European Journal of Pharmacology</i> , 2001, 411, 71-83.	3.5	11
270	Mitochondrial oxidative stress and metabolic alterations in neurodegenerative disorders. <i>Advances in Cell Aging and Gerontology</i> , 2001, 7, 205-237.	0.1	0
271	Inhibition of eukaryote signal transduction components by plant defensive secondary metabolites. <i>Studies in Natural Products Chemistry</i> , 2001, 25, 513-564.	1.8	0

#	ARTICLE	IF	CITATIONS
272	Aluminum-Induced Alteration of Phosphoinositide and Calcium Signaling. , 2001, , 345-360.		2
273	ORGANOTINS DISRUPT COMPONENTS OF GLUTAMATE HOMEOSTASIS IN RAT ASTROCYTE CULTURES. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2001, 63, 273-287.	2.3	20
274	MODULATORY EFFECT OF CYCLOSPORIN A ON TERT-BUTYL HYDROPEROXIDE-INDUCED OXIDATIVE DAMAGE IN HEPATOCYTES. Immunopharmacology and Immunotoxicology, 2001, 23, 43-54.	2.4	12
275	Influx of Calcium through a Redox-sensitive Plasma Membrane Channel in Thymocytes Causes Early Necrotic Cell Death Induced by the Epipolythiodioxopiperazine Toxins. Journal of Biological Chemistry, 2002, 277, 31631-31638.	3.4	38
276	Inhibition of Nitric Oxide Synthase Aggravates Cisplatin-Induced Nephrotoxicity: Effect of 2-Amino-4-Methylpyridine. Chemotherapy, 2002, 48, 309-315.	1.6	48
277	Ca ²⁺ uptake by the endoplasmic reticulum Ca ²⁺ -ATPase in rat microvascular endothelial cells. Biochemical Journal, 2002, 364, 235-244.	3.7	47
278	N- and L-type calcium channel antagonist improves glomerular dynamics, reverses severe nephrosclerosis, and inhibits apoptosis and proliferation in an L-NAME/SHR model. Journal of Hypertension, 2002, 20, 993-1000.	0.5	73
279	THE CHOLINERGIC APPROACH FOR THE TREATMENT OF VASCULAR DEMENTIA: EVIDENCE FROM PRE-CLINICAL AND CLINICAL STUDIES. Clinical and Experimental Hypertension, 2002, 24, 697-713.	1.3	35
280	What synaptic lipid signaling tells us about seizure-induced damage and epileptogenesis. Progress in Brain Research, 2002, 135, 175-185.	1.4	59
281	Protection Effects of Taurine Supplementation against Cisplatin-Induced Nephrotoxicity in Rats. Chemotherapy, 2002, 48, 42-48.	1.6	98
282	NEUROPROTECTIVE EFFECT OF TREATMENT WITH CALCIUM ANTAGONISTS ON HYPERTENSIVE RETINA. Clinical and Experimental Hypertension, 2002, 24, 727-740.	1.3	18
283	The roles of ATP and calcium in morphological changes and cytotoxicity induced by 1,4-benzoquinone in platelets. Biochimica Et Biophysica Acta - General Subjects, 2002, 1569, 159-166.	2.4	4
284	The mechanisms of neuronal death produced by mitochondrial toxin 3-nitropropionic acid: the roles of N-methyl-D-aspartate glutamate receptors and mitochondrial calcium overload. Neuroscience, 2002, 112, 707-716.	2.3	47
285	Purinergic Receptor-Mediated Cytotoxicity. , 2002, , 451-466.		0
286	Biphasic effects of oxethazaine, a topical anesthetic, on the intracellular Ca ²⁺ concentration of PC12 cells. Biochemical Pharmacology, 2002, 64, 677-687.	4.4	8
287	XOD-catalyzed ROS generation mobilizes calcium from intracellular stores in mouse pancreatic acinar cells. Cellular Signalling, 2002, 14, 153-159.	3.6	31
288	Differential inhibitory effects of carbon tetrachloride on the hepatic plasma membrane, mitochondrial and endoplasmic reticular calcium transport systems: implications to hepatotoxicity. Cell Biochemistry and Function, 2002, 20, 47-59.	2.9	20
289	Resuscitation of Brain Neurons in the Presence of Ca ²⁺ After Toxic NMDA-Receptor Activity. Journal of Neurochemistry, 2002, 65, 739-743.	3.9	24

#	ARTICLE	IF	CITATIONS
290	Actions of Neurotoxic Î²-Amyloid on Calcium Homeostasis and Viability of PC12 Cells Are Blocked by Antioxidants but Not by Calcium Channel Antagonists. <i>Journal of Neurochemistry</i> , 2002, 67, 1419-1425.	3.9	78
291	Cytoskeletal Breakdown and Apoptosis Elicited by NO Donors in Cerebellar Granule Cells Require NMDA Receptor Activation. <i>Journal of Neurochemistry</i> , 1996, 67, 2484-2493.	3.9	128
292	Delayed Phospholipid Degradation in Rat Brain After Traumatic Brain Injury. <i>Journal of Neurochemistry</i> , 1997, 69, 199-205.	3.9	94
293	p21WAF1/CIP1 Inhibits Cell Cycle Progression but Not G2/M-Phase Transition Following Methylmercury Exposure. <i>Toxicology and Applied Pharmacology</i> , 2002, 178, 117-125.	2.8	17
294	The alkylating agent penclomedine induces degeneration of purkinje cells in the rat cerebellum. <i>Investigational New Drugs</i> , 2003, 21, 269-279.	2.6	7
295	Hepatotoxicity and Mechanism of Action of Haloalkanes: Carbon Tetrachloride as a Toxicological Model. <i>Critical Reviews in Toxicology</i> , 2003, 33, 105-136.	3.9	1,389
296	Neurotoxicity of organomercurial compounds. <i>Neurotoxicity Research</i> , 2003, 5, 283-305.	2.7	161
297	Voltage-dependent ebsele and diorganochalcogenides inhibition of $^{45}\text{Ca}^{2+}$ influx into brain synaptosomes. <i>Journal of Biochemical and Molecular Toxicology</i> , 2003, 17, 154-160.	3.0	28
298	Calcium and voltage dependent inactivation of sodium and calcium currents limits calcium influx in helisoma neurons. <i>Journal of Neurobiology</i> , 2003, 54, 439-456.	3.6	4
299	The Structure and Ion Channel Activity of 6-Benzylamino-3-hydroxyhexa-cyclo[6.5.0.0.3, 7.0.4, 12.0.5, 10.0.9, 13]tridecane. <i>Archiv Der Pharmazie</i> , 2003, 336, 127-133.	4.1	15
300	Pancreatitis aguda y base experimental en la respuesta fisiopatol3gica local y sist4mica. <i>Medicina Intensiva</i> , 2003, 27, 80-92.	0.7	1
301	Signal transduction, calcium and acute pancreatitis. <i>Pancreatology</i> , 2003, 3, 497-505.	1.1	99
302	Inherent desensitisation-preventing properties of a novel, subtype-selective AMPA receptor agonist, (S)-CPW 399, as a possible explanation for its excitotoxic action in cultured cerebellar granule cells. <i>Neurochemistry International</i> , 2003, 42, 499-510.	3.8	6
303	Biological targets of neurotoxic pesticides analysed by alteration of developmental events in the Mediterranean sea urchin, <i>Paracentrotus lividus</i> . <i>Marine Environmental Research</i> , 2003, 55, 39-57.	2.5	67
304	Increased [^3H]Phorbol Ester Binding in Rat Cerebellar Granule Cells and Inhibition of $^{45}\text{Ca}^{2+}$ Buffering in Rat Cerebellum by Hydroxylated Polychlorinated Biphenyls. <i>NeuroToxicology</i> , 2003, 24, 187-198.	3.0	21
305	Morphological Characterization of Photochemical Graded Spinal Cord Injury in the Rat. <i>Journal of Neurotrauma</i> , 2003, 20, 483-499.	3.4	27
306	Could Monoamine Plasma Levels and Erythrocyte Membrane ATPase Activities at Birth Be Predictive for Future Hand Performance?. <i>Pediatric Research</i> , 2003, 54, 358-363.	2.3	2
307	Early Acute Necrosis and Delayed Apoptosis Induced by Methyl Mercury in Murine Peritoneal Neutrophils. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2004, 94, 274-281.	0.0	20

#	ARTICLE	IF	CITATIONS
308	Ebselen Protects Ca ²⁺ -Influx Blockage But Does Not Protect Glutamate Uptake Inhibition Caused By Hg ²⁺ . <i>Neurochemical Research</i> , 2004, 29, 1801-1806.	3.3	9
309	Copper-induced formation of reactive oxygen species causes cell death and disruption of calcium homeostasis in trout hepatocytes. <i>Toxicology</i> , 2004, 196, 57-64.	4.2	103
310	Chlorpropham induces mitochondrial dysfunction in rat hepatocytes. <i>Toxicology</i> , 2004, 200, 123-133.	4.2	17
311	Ethanol toxicity in pancreatic acinar cells: Mediation by nonoxidative fatty acid metabolites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 10738-10743.	7.1	183
312	Generation of ROS in response to CCK-8 stimulation in mouse pancreatic acinar cells. <i>Mitochondrion</i> , 2004, 3, 285-296.	3.4	39
313	Acute toxicity of hexavalent chromium in isolated teleost hepatocytes. <i>Aquatic Toxicology</i> , 2004, 70, 159-167.	4.0	62
314	Cytosolic Ca ²⁺ under high glucose with suppressed Na ⁺ /K ⁺ pump activity in rat sensory neurons. <i>NeuroReport</i> , 2004, 15, 197-201.	1.2	2
315	Uptake of Gallium-67 by the Hepatocytes during Liver Regeneration in Carbon Tetrachloride-Treated Mice. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 1913-1915.	1.4	4
316	Mechanisms of Acinar Cell Injury in Acute Pancreatitis. <i>Scandinavian Journal of Surgery</i> , 2005, 94, 89-96.	2.6	51
317	Ca ²⁺ signalling and Ca ²⁺ -activated ion channels in exocrine acinar cells. <i>Cell Calcium</i> , 2005, 38, 171-200.	2.4	94
318	Oxidized low-density lipoprotein elicits an intracellular calcium rise and increases the binding activity of the transcription factor NFAT. <i>Free Radical Biology and Medicine</i> , 2005, 38, 472-480.	2.9	37
319	Mitochondria superoxide dismutase mimetic inhibits peroxide-induced oxidative damage and apoptosis: Role of mitochondrial superoxide. <i>Free Radical Biology and Medicine</i> , 2005, 39, 567-583.	2.9	180
320	Oxidative stress, mitochondrial permeability transition, and cell death in Cu-exposed trout hepatocytes. <i>Toxicology and Applied Pharmacology</i> , 2005, 209, 62-73.	2.8	147
321	Improvements in an in-vitro assay for excitotoxicity by measurement of early gene (c-fos mRNA) levels. <i>Archives of Toxicology</i> , 2005, 79, 129-139.	4.2	9
322	N-Nitrosodenfluramine induces cytotoxicity via mitochondrial dysfunction and oxidative stress in isolated rat hepatocytes. <i>Archives of Toxicology</i> , 2005, 79, 312-320.	4.2	9
323	Polysorbate 80 increases the susceptibility to oxidative stress in rat thymocytes. <i>Toxicology</i> , 2005, 207, 7-14.	4.2	27
324	ARP2 a novel protein involved in apoptosis of LNCaP cells shares a high degree homology with splicing factor Prp8. <i>Molecular and Cellular Biochemistry</i> , 2005, 269, 189-201.	3.1	5
325	Lipid Signaling in Experimental Epilepsy. <i>Neurochemical Research</i> , 2005, 30, 847-853.	3.3	42

#	ARTICLE	IF	CITATIONS
326	Effects of Polychlorinated Biphenyls on Neuronal Signaling. , 2005, , 433-455.		2
327	Differential Effects of Commercial Polybrominated Diphenyl Ether and Polychlorinated Biphenyl Mixtures on Intracellular Signaling in Rat Brain in Vitro. Toxicological Sciences, 2005, 85, 952-962.	3.1	136
328	The Involvement of Calcium in the Protective and Toxic (Nonlinear) Responses of Rodent and Human Astroglial Cells. Nonlinearity in Biology, Toxicology, Medicine, 2005, 3, nonlin.003.01.0.	0.4	4
329	Polybrominated Diphenyl Ether (PBDE) Effects in Rat Neuronal Cultures: 14C-PBDE Accumulation, Biological Effects, and Structure-Activity Relationships. Toxicological Sciences, 2005, 88, 181-192.	3.1	84
330	Role of calcium-induced mitochondrial hydroperoxide in induction of apoptosis of RBL2H3 cells with eicosapentaenoic acid treatment. Free Radical Research, 2005, 39, 1083-1089.	3.3	6
331	Store-Operated Calcium Channels. Physiological Reviews, 2005, 85, 757-810.	28.8	1,907
332	The novel phospholipase C activator, m-3M3FBS, induces monocytic leukemia cell apoptosis. Cancer Letters, 2005, 222, 227-235.	7.2	17
333	Effect of H ₂ O ₂ on CCK-8-evoked changes in mitochondrial activity in isolated mouse pancreatic acinar cells. Biology of the Cell, 2005, 97, 847-856.	2.0	12
334	Transition from Stochastic to Deterministic Behavior in Calcium Oscillations. Biophysical Journal, 2005, 89, 1603-1611.	0.5	80
335	Effects of PCB 84 enantiomers on [3H]-phorbol ester binding in rat cerebellar granule cells and 45Ca ²⁺ -uptake in rat cerebellum. Toxicology Letters, 2005, 156, 391-400.	0.8	65
336	Extracellular ATP May Induce Neuronal Degeneration by a Free Radical Mechanism ^a . Annals of the New York Academy of Sciences, 1994, 738, 431-435.	3.8	4
338	Potentiation of ⁴⁵ Ca Uptake and Acute Toxicity Mediated by the <i>N</i> -Methyl- α -Aspartate Receptor: The Effect of Metal Binding Agents and Transition Metal Ions. Journal of Neurochemistry, 1993, 61, 518-525.	3.9	35
339	Ethanol impairs CCK-8-evoked amylase secretion through Ca ²⁺ -mediated ROS generation in mouse pancreatic acinar cells. Alcohol, 2006, 38, 51-57.	1.7	23
340	Zonal differences in gallium-67 uptakes between perivenous versus periportal regions of rat liver following carbon tetrachloride treatment. Hepatology Research, 2006, 36, 78-85.	3.4	0
341	ATP-generating glycolytic substrates prevent N-nitrosufenfluramine-induced cytotoxicity in isolated rat hepatocytes. Chemico-Biological Interactions, 2006, 164, 93-101.	4.0	10
342	Role of mitochondrial membrane permeability transition in N-nitrosufenfluramine-induced cell injury in rat hepatocytes. European Journal of Pharmacology, 2006, 529, 33-39.	3.5	17
343	The neurotoxic effects of prenatal cardiac glycoside exposure: A hypothesis. Neurotoxicology and Teratology, 2006, 28, 135-143.	2.4	13
344	Why Does Pancreatic Overstimulation Cause Pancreatitis?. Annual Review of Physiology, 2007, 69, 249-269.	13.1	161

#	ARTICLE	IF	CITATIONS
345	Glutathione Levels Modulate Domoic Acid-Induced Apoptosis in Mouse Cerebellar Granule Cells. Toxicological Sciences, 2007, 100, 433-444.	3.1	71
346	Some Experimental Models of Liver Damage. , 0, , 119-137.		15
347	The Uptake Mechanism of Gallium-67 into Hepatocytes Treated with Carbon Tetrachloride. Biological and Pharmaceutical Bulletin, 2007, 30, 224-229.	1.4	3
348	Calcium and Cell Death. , 2007, 45, 465-480.		61
350	Biotransformation and cytotoxicity of a brominated flame retardant, tetrabromobisphenol A, and its analogues in rat hepatocytes. Xenobiotica, 2007, 37, 693-708.	1.1	71
351	Sinusoidal Cells in Liver Injury and Repair. , 0, , 341-370.		3
353	Glia: the fulcrum of brain diseases. Cell Death and Differentiation, 2007, 14, 1324-1335.	11.2	234
354	EFFICACY OF SARGASSUM POLYCYSTUM (PHAEOPHYCEAE) SULPHATED POLYSACCHARIDE AGAINST PARACETAMOL-INDUCED DNA FRAGMENTATION AND MODULATION OF MEMBRANE-BOUND PHOSPHATASES DURING TOXIC HEPATITIS. Clinical and Experimental Pharmacology and Physiology, 2007, 34, 142-147.	1.9	14
355	The analgesic, anti-inflammatory and calcium antagonist potential of Tanacetum artemisioides. Archives of Pharmacal Research, 2007, 30, 303-312.	6.3	17
356	The novel phospholipase C activator, m-3M3FBS, induces apoptosis in tumor cells through caspase activation, down-regulation of XIAP and intracellular calcium signaling. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 133-145.	4.9	19
357	Enhancement of hyperthermia-induced apoptosis by a new synthesized class of benzocycloalkene compounds. Apoptosis: an International Journal on Programmed Cell Death, 2008, 13, 448-461.	4.9	13
358	The Quantity of Calcium that Appears to Induce Neuronal Death. Journal of Neurochemistry, 1994, 62, 1223-1226.	3.9	152
359	Ethanol impairs calcium homeostasis following CCK-8 stimulation in mouse pancreatic acinar cells. Alcohol, 2008, 42, 565-573.	1.7	23
360	Hepatotoxicity of ethanol: protective effect of calcium channel blockers in isolated hepatocytes. Liver, 1997, 17, 76-82.	0.1	15
361	Drug-Induced liver injury through mitochondrial dysfunction: mechanisms and detection during preclinical safety studies. Fundamental and Clinical Pharmacology, 2008, 22, 335-353.	1.9	251
362	β -Radiation induces apoptosis via sarcoplasmic reticulum in guinea pig ileum smooth muscle cells. European Journal of Pharmacology, 2008, 590, 20-28.	3.5	11
363	Higher Lipid Peroxidation Indices in Horses Eliminated from Endurance Race Because of Synchronous Diaphragmatic Flutter (Thumps). Journal of Equine Veterinary Science, 2008, 28, 573-578.	0.9	14
364	2,5-hexanedione (HD) treatment alters calmodulin, Ca ²⁺ /calmodulin-dependent protein kinase II, and protein kinase C in rats' nerve tissues. Toxicology and Applied Pharmacology, 2008, 232, 60-68.	2.8	7

#	ARTICLE	IF	CITATIONS
365	Possible use of quercetin, an antioxidant, for protection of cells suffering from overload of intracellular Ca ²⁺ : A model experiment. Life Sciences, 2008, 83, 164-169.	4.3	80
366	Identification of hepatitis C in human blood serum by near-infrared Raman spectroscopy. Spectroscopy, 2008, 22, 387-395.	0.8	46
367	Molecular and Transcriptional Responses to Sarin Exposure. , 2009, , 665-682.		2
368	Induction of Calcium Uptake in Erythrocytes by Agricultural Chemicals. Journal of the Kentucky Academy of Science, 2009, 70, 162-164.	0.1	0
369	Sodium-calcium exchanger complexed with GM1 ganglioside in nuclear membrane transfers calcium from nucleoplasm to endoplasmic reticulum. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10829-10834.	7.1	72
370	Changes in muscle cell cation regulation and meat quality traits are associated with genetic selection for high body weight and meat yield in broiler chickens. Genetics Selection Evolution, 2009, 41, 8.	3.0	36
371	Biotransformation and cytotoxic effects of hydroxychavicol, an intermediate of safrole metabolism, in isolated rat hepatocytes. Chemico-Biological Interactions, 2009, 180, 89-97.	4.0	16
372	Enhancement of radiation-induced apoptosis of human lymphoma U937 cells by sanazole. Apoptosis: an International Journal on Programmed Cell Death, 2009, 14, 655-664.	4.9	12
373	Cytotoxic effects of 3,4-methylenedioxy-N-alkylamphetamines, MDMA and its analogues, on isolated rat hepatocytes. Archives of Toxicology, 2009, 83, 69-80.	4.2	45
374	Measuring Ca ²⁺ -signalling at fertilization in the sea urchin Psammechinus miliaris: Alterations of this Ca ²⁺ -signal by copper and 2,4,6-tribromophenol. Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology, 2009, 150, 261-269.	2.6	14
375	Increase in cytosolic calcium maintains plasma membrane integrity through the formation of microtubule ring structure in apoptotic cervical cancer cells induced by trichosanthin. Cell Biology International, 2009, 33, 1149-1154.	3.0	9
376	TRPC Channels and their Implications for Neurological Diseases. CNS and Neurological Disorders - Drug Targets, 2010, 9, 94-104.	1.4	61
377	Fullerenol cytotoxicity in kidney cells is associated with cytoskeleton disruption, autophagic vacuole accumulation, and mitochondrial dysfunction. Toxicology and Applied Pharmacology, 2010, 248, 249-258.	2.8	149
378	Mitochondrial dysfunction and biotransformation of \hat{I}^2 -carboline alkaloids, harmine and harmaline, on isolated rat hepatocytes. Chemico-Biological Interactions, 2010, 188, 393-403.	4.0	15
379	Mechanisms of Toxicant-Induced Acute Kidney Injury. , 2010, , 81-115.		5
380	Oxidative stress, calcium homeostasis, and altered gene expression in human lung epithelial cells exposed to ZnO nanoparticles. Toxicology in Vitro, 2010, 24, 45-55.	2.4	375
381	Calreticulin is crucial for calcium homeostasis mediated adaptation and survival of thick ascending limb of Henle's loop cells under osmotic stress. International Journal of Biochemistry and Cell Biology, 2011, 43, 1187-1197.	2.8	23
382	The Cell in the Electric Field. , 2011, , 19-29.		14

#	ARTICLE	IF	CITATIONS
383	Hepatoprotective effect of stem of <i>Musa sapientum</i> Linn in rats intoxicated with carbon tetrachloride. <i>Annals of Hepatology</i> , 2011, 10, 333-339.	1.5	14
384	Cytotoxic effects of hydroxylated fullerenes on isolated rat hepatocytes via mitochondrial dysfunction. <i>Archives of Toxicology</i> , 2011, 85, 1429-1440.	4.2	46
385	The Reliability of Artificial Neural Network in Locating Minor Apical Foramen: A Cadaver Study. <i>Journal of Endodontics</i> , 2012, 38, 1130-1134.	3.1	47
386	N-Acetylcysteine amide protects against methamphetamine-induced tissue damage in CD-1 mice. <i>Human and Experimental Toxicology</i> , 2012, 31, 931-944.	2.2	28
387	Global Effects of Adriamycin Treatment on Mouse Splenic Protein Levels. <i>Journal of Proteome Research</i> , 2012, 11, 1054-1064.	3.7	5
388	Secretagogin is Expressed in Sensory CGRP Neurons and in Spinal Cord of Mouse and Complements other Calcium-Binding Proteins, with a Note on Rat and Human. <i>Molecular Pain</i> , 2012, 8, 1744-8069-8-80.	2.1	34
389	Proteomic analysis of differentially expressed proteins in the lymphoid organ of <i>Vibrio</i> harveyi-infected <i>Penaeus monodon</i> . <i>Molecular Biology Reports</i> , 2012, 39, 6367-6377.	2.3	21
390	Spinal cord transection modifies neuronal nitric oxide synthase expression in medullar reticular nuclei and in the spinal cord and increases parvalbumin immunopositivity in motoneurons below the site of injury in experimental rabbits. <i>Acta Histochemica</i> , 2012, 114, 518-524.	1.8	8
391	Cinobufacini-induced HeLa cell apoptosis enhanced by curcumin. <i>Science Bulletin</i> , 2013, 58, 2584-2593.	1.7	2
392	Calpains participate in nerve terminal degeneration induced by spider and snake presynaptic neurotoxins. <i>Toxicon</i> , 2013, 64, 20-28.	1.6	19
393	Mechanisms of Acetaminophen-Induced Liver Disease. , 2013, , 305-329.		6
394	Sepsis: Going to the Heart of the Matter. <i>Pathobiology</i> , 2013, 80, 70-86.	3.8	78
395	Current pathogenetic aspects of hepatic encephalopathy and noncirrhotic hyperammonemic encephalopathy. <i>World Journal of Gastroenterology</i> , 2013, 19, 26.	3.3	73
396	ARP2, a Novel Pro-Apoptotic Protein Expressed in Epithelial Prostate Cancer LNCaP Cells and Epithelial Ovary CHO Transformed Cells. <i>PLoS ONE</i> , 2014, 9, e86089.	2.5	1
397	Synthetic Neurotensin Analogues Are Nontoxic Analgesics for the Rabbit Cornea. , 2014, 55, 3586.		6
398	Insulin on hydrogen peroxide-induced oxidative stress involves ROS/Ca ²⁺ and Akt/Bcl-2 signaling pathways. <i>Free Radical Research</i> , 2014, 48, 347-356.	3.3	27
399	Effects of N-acetyl-L-cysteine on target sites of hydroxylated fullerene-induced cytotoxicity in isolated rat hepatocytes. <i>Archives of Toxicology</i> , 2014, 88, 115-126.	4.2	20
401	Comparative effects of sulfhydryl compounds on target organellae, nuclei and mitochondria, of hydroxylated fullerene-induced cytotoxicity in isolated rat hepatocytes. <i>Journal of Applied Toxicology</i> , 2015, 35, 1465-1472.	2.8	5

#	ARTICLE	IF	CITATIONS
402	Bioactivity, physical and chemical properties of MTA mixed with propylene glycol. Journal of Applied Oral Science, 2015, 23, 405-411.	1.8	36
403	Cellular Mechanisms of Action of Snake Phospholipase A2 Toxins. , 2015, , 1-14.		3
404	An in vitro study on the cytotoxicity of bismuth oxychloride nanosheets in human HaCaT keratinocytes. Food and Chemical Toxicology, 2015, 80, 52-61.	3.6	22
405	Role of oxidative stress in sulfur mustard-induced pulmonary injury and antioxidant protection. Inhalation Toxicology, 2015, 27, 659-672.	1.6	40
406	Mitochondrial drug targets in neurodegenerative diseases. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 714-720.	2.2	23
407	Relationship of oxidative stress with male infertility in sulfur mustard-exposed injuries. Asian Pacific Journal of Reproduction, 2016, 5, 1-9.	0.4	22
408	Cytotoxic effects of psychotropic benzofuran derivatives, <i>N</i> -methyl-5-(2-aminopropyl)benzofuran and its <i>N</i> -demethylated derivative, on isolated rat hepatocytes. Journal of Applied Toxicology, 2017, 37, 243-252.	2.8	13
409	Tetrabromobisphenol A induces cellular damages in pancreatic β -cells in vitro. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2017, 52, 624-631.	1.7	16
410	An evidence-based review of the genotoxic and reproductive effects of sulfur mustard. Archives of Toxicology, 2017, 91, 1143-1156.	4.2	22
411	A ratiometric fluorescent probe for imaging and quantifying anti-apoptotic effects of GSH under temperature stress. Chemical Science, 2017, 8, 6991-7002.	7.4	109
412	Experimental Models of Liver Damage Mediated by Oxidative Stress. , 2017, , 529-546.		16
414	Preventive effects of fructose and <i>N</i> -acetyl-L-cysteine against cytotoxicity induced by the psychoactive compounds <i>N</i> -methyl-5-(2-aminopropyl)benzofuran and 3,4-methylenedioxy- <i>N</i> -methamphetamine in isolated rat hepatocytes. Journal of Applied Toxicology, 2018, 38, 284-291.	2.8	7
415	Protective effects of curcumin against aflatoxicosis: A comprehensive review. Journal of Cellular Physiology, 2018, 233, 3552-3577.	4.1	45
416	Mechanisms of Toxicant-Induced Acute Kidney Injury. , 2018, , 56-97.		2
417	Cell Injury and Necrosis. , 2018, , 404-453.		2
418	Assessment of the cytotoxic potential of an aqueous-ethanolic extract from <i>Thalassia testudinum</i> angiosperm marine grown in the Caribbean Sea. Journal of Pharmacy and Pharmacology, 2018, 70, 1553-1560.	2.4	11
419	Cellular and molecular mechanisms of sulfur mustard toxicity on spermatozoa and male fertility. Toxicology Research, 2018, 7, 1029-1035.	2.1	5
420	Brain Morphogenesis and Developmental Neurotoxicology. , 2018, , 3-15.		2

#	ARTICLE	IF	CITATIONS
421	Molecular Basis of Diseases of the Exocrine Pancreas. , 2018, , 457-476.		0
422	Role of Cell Death in Toxicology: Does It Matter How Cells Die?. Annual Review of Pharmacology and Toxicology, 2019, 59, 1-14.	9.4	16
423	Role of oxidative stress and antioxidant therapy in acute and chronic phases of sulfur mustard injuries: a review. Cutaneous and Ocular Toxicology, 2019, 38, 9-17.	1.3	17
424	Taguchi's methods to optimize the properties and bioactivity of 3D printed polycaprolactone/mineral trioxide aggregate scaffold: Theoretical predictions and experimental validation. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 629-637.	3.4	16
425	Cytotoxic effects of thioxanthone derivatives as photoinitiators on isolated rat hepatocytes. Journal of Applied Toxicology, 2020, 40, 234-244.	2.8	1
426	Primary cultures of rabbit corneal epithelial cells as an experimental model to evaluate ocular toxicity and explore modes of action of toxic injury. Toxicology in Vitro, 2020, 64, 104634.	2.4	4
427	Glutathione Peroxidase-Activatable Two-Photon Ratiometric Fluorescent Probe for Redox Mechanism Research in Aging and Mercury Exposure Mice Models. Analytical Chemistry, 2020, 92, 1997-2004.	6.5	34
428	Methamphetamine induces neuronal death: Evidence from rodent studies. NeuroToxicology, 2020, 77, 20-28.	3.0	14
429	A ratiometric fluorescent probe for detecting the endogenous biological signaling molecule superoxide anion and bioimaging during tumor treatment. Journal of Materials Chemistry B, 2020, 8, 1017-1025.	5.8	15
430	Oxidative Stress, Neuroinflammation and Mitochondria in the Pathophysiology of Amyotrophic Lateral Sclerosis. Antioxidants, 2020, 9, 901.	5.1	63
431	The development and hepatotoxicity of acetaminophen: reviewing over a century of progress. Drug Metabolism Reviews, 2020, 52, 472-500.	3.6	37
432	Disruption of Intracellular Calcium Homeostasis as a Therapeutic Target Against Trypanosoma cruzi. Frontiers in Cellular and Infection Microbiology, 2020, 10, 46.	3.9	44
433	Rational design of a nitroreductase-activatable two-photon fluorescent probe for hypoxia imaging in cell and in vivo. Sensors and Actuators B: Chemical, 2020, 310, 127755.	7.8	23
434	Cellular and physiological approaches to evaluate the chelating effect of Chlorella on metal ion stressed lymphocytes. BioMetals, 2021, 34, 351-363.	4.1	6
435	Biomaterialization potential and biological properties of a new tantalum oxide (Ta2O5)-containing calcium silicate cement. Clinical Oral Investigations, 2022, 26, 1427-1441.	3.0	8
436	Physiology of Acinar Cell Secretion. , 0, , 69-77.		5
437	4.7 Ion Transport and Energy Metabolism. , 2007, , 429-465.		1
438	Neurotoxins and Neuronal Death. , 1999, , 221-245.		5

#	ARTICLE	IF	CITATIONS
439	Calcium and Cell Death. , 1999, , 69-90.		5
440	Extracellular ATP-Induced Apoptosis in PC12 Cells. Advances in Experimental Medicine and Biology, 1998, 446, 73-83.	1.6	10
441	Ion Signalling in Apoptosis. , 1994, , 97-115.		15
442	Oxidative stress and apoptosis. , 1995, , 21-26.		5
443	Mechanisms of Oxidative Cell Damage. , 1993, , 47-64.		24
444	Lipid Peroxidation. An Overview. , 1993, , 65-79.		16
445	Cytoprotective Role of Nitric Oxide Under Oxidative Stress. , 2014, , 199-210.		3
446	Events Inside the Pancreatic Acinar Cell in Acute Pancreatitis: Role of Secretory Blockade, Calcium Release, and Dehydration in the Initiation of Trypsinogen Activation and Autodigestion. , 1999, , 14-23.		2
447	Regulation of Apoptosis via Steroid Receptors. Current Topics in Microbiology and Immunology, 1995, 200, 81-94.	1.1	12
448	Cellular Mechanisms of Action of Snake Phospholipase A2 Toxins. , 2017, , 49-65.		8
449	An inhibitor of injury-induced COX-2 transcriptional activation elicits neuroprotection in a brain damage model. , 1996, , 145-166.		3
450	Mechanisms of active cell death in isolated hepatocytes. , 2000, , 281-300.		5
451	Molecular Mechanisms of Toxic Cell Death: An Overview. , 1994, , 23-32.		4
452	In Vitro Investigation of the Molecular Mechanisms of Hepatotoxicity. , 1997, , 375-410.		11
453	Calcium ions in necrotic and apoptotic cell death. , 1996, , 143-158.		3
454	Brain Morphogenesis and Developmental Neurotoxicology. , 1998, , 3-41.		2
455	Ontogeny of Second Messenger Systems. , 1998, , 275-284.		4
456	Different prooxidant levels stimulate growth, trigger apoptosis, or produce necrosis of insulin-secreting RINm5F cells. The role of intracellular polyamines.. Journal of Biological Chemistry, 1994, 269, 30553-30560.	3.4	331

#	ARTICLE	IF	CITATIONS
457	Submitochondrial localization of the NAD ⁺ glycohydrolase. Implications for the role of pyridine nucleotide hydrolysis in mitochondrial calcium fluxes.. Journal of Biological Chemistry, 1993, 268, 4016-4020.	3.4	34
458	Etiology and Pathogenesis of Acute Pancreatitis. Journal of Clinical Gastroenterology, 2000, 30, 343-356.	2.2	170
459	The nonstructural glycoprotein of rotavirus affects intracellular calcium levels. Journal of Virology, 1994, 68, 251-257.	3.4	155
460	Oxidized LDLs Induce Massive Apoptosis of Cultured Human Endothelial Cells Through a Calcium-Dependent Pathway. Arteriosclerosis, Thrombosis, and Vascular Biology, 1997, 17, 331-339.	2.4	126
461	Opiate-mediated inhibition of calcium signaling is decreased in dorsal root ganglion neurons from the diabetic BB/W rat.. Journal of Clinical Investigation, 1996, 97, 1165-1172.	8.2	37
462	Menadione-induced apoptosis: roles of cytosolic Ca ²⁺ elevations and the mitochondrial permeability transition pore. Journal of Cell Science, 2002, 115, 485-497.	2.0	139
463	Intracellular Ca ²⁺ Signalling in Secretory Cells. Journal of Experimental Biology, 1997, 200, 303-314.	1.7	42
464	Calcium Antagonist Inhibits Glomerular Cell Apoptosis and Injuries of L-NAME Exacerbated Nephrosclerosis in SHR.. Hypertension Research, 2000, 23, 683-691.	2.7	21
465	Melatonin Prevents Death of Neuroblastoma Cells Exposed to the Alzheimer Amyloid Peptide. Journal of Neuroscience, 1997, 17, 1683-1690.	3.6	324
466	The Main Targets Involved in Neuroprotection for the Treatment of Alzheimer's Disease and Parkinson Disease. Current Pharmaceutical Design, 2020, 26, 509-516.	1.9	9
467	Chemical Sensitization of Apoptosis Induced by Hyperthermia.. Thermal Medicine(Japanese Journal of) Tj ETQq0 0 0 rgBT /Overlock 10 T	0.4	1
468	Hepatic encephalopathy: An approach to its multiple pathophysiological features. World Journal of Hepatology, 2012, 4, 50.	2.0	33
469	Oxidative stress and neurodegenerative disorders. Biopolymers and Cell, 1997, 13, 513-515.	0.4	6
471	A New Perspective on Signal Transduction in Neuropathic Pain The Emerging Role of the G Protein By Dimer in Transducing and Modulating Opioid Signaling. , 2003, , .		0
472	Calpain as a Target for Prevention of Neuronal Death in Injuries and Diseases of the Central Nervous System. , 2007, , 445-467.		1
473	Harmful effects of drugs. , 2007, , 751-764.		4
474	Molecular Basis of Diseases of the Exocrine Pancreas. , 2009, , 421-433.		0
475	Toxicant-Induced Liver Injury. Molecular Pathology Library, 2011, , 641-653.	0.1	0

#	ARTICLE	IF	CITATIONS
476	Relationships of Ca ²⁺ Oscillations and ER Cluster Distribution to Porcine Oocyte Fragmentation. Asian Journal of Animal and Veterinary Advances, 2011, 6, 322-332.	0.0	1
477	Toxic Effects of Calcium on Mitochondria. , 1993, , 378-389.		0
478	Cell Death by Apoptosis: Morphological, Genetic and Biochemical Features and Toxicological Implications. , 1995, , 241-255.		0
479	Cholinergic and Glutaminergic Excitation of Neuronal Cells. ATLA Alternatives To Laboratory Animals, 1996, 24, 387-392.	1.0	2
480	Physiological, Pharmacological and Pathological Aspects of Capacitative Calcium Entry. Molecular Biology Intelligence Unit, 1997, , 179-205.	0.2	0
481	Calcium Homeostasis, Nimodipine, and Stroke. , 1997, , 67-99.		2
482	Hormonal stimulation, mitochondrial Ca ²⁺ accumulation, and the control of the mitochondrial permeability transition in intact hepatocytes. , 1997, , 173-179.		4
483	Calcium-binding proteins in the spinal cord: physiological significance. , 1998, , 27-54.		0
484	Adaptive abilities of wheat root cells under calcium load. , 1998, , 573-582.		0
485	The Diseased Retinal Ganglion Cell and its Propensity to Survive and Regenerate an Axon with Functional Significance. , 1998, , 289-307.		0
486	Intracellular Calcium in the Pathogenesis of Acute Pancreatitis. , 1999, , 3-13.		0
487	Apoptosis in Exocrine Acinar Cells. , 2009, , 57-72.		0
488	Ontogeny of Second Messenger Systems. , 1998, , 275-284.		1
491	Regulation of inositol trisphosphate receptors by luminal Ca ²⁺ contributes to quantal Ca ²⁺ mobilization. EMBO Journal, 1996, 15, 2086-93.	7.8	18
492	The mitochondrial permeability transition pore and its role in cell death. Biochemical Journal, 1999, 341 (Pt 2), 233-49.	3.7	637
493	Signaling molecules in sulfur mustard-induced cutaneous injury. Eplasty, 2007, 8, e2.	0.4	37
495	Hepatoprotective activity of aerial parts of Otostegia persica against carbon tetrachloride-induced liver damage in rats. Avicenna Journal of Phytomedicine, 2015, 5, 238-46.	0.2	7
496	Effect of subclinical, clinical and supraclinical doses of calcium channel blockers on models of drug-induced hepatotoxicity in rats. EXCLI Journal, 2013, 12, 231-50.	0.7	13

#	ARTICLE	IF	CITATIONS
497	Evaluating the Radiosensitization Effect of Hydroxyapatite Nanoparticles on Human Breast Adenocarcinoma Cell Line and Fibroblast. Iranian Journal of Medical Sciences, 2020, 45, 368-376.	0.4	0
498	Effects of Sub-chronic Lead Exposure on Essential Element Levels in Mice. Biological Trace Element Research, 2023, 201, 282-293.	3.5	5
500	Hormonal stimulation, mitochondrial Ca ²⁺ accumulation, and the control of the mitochondrial permeability transition in intact hepatocytes. Molecular and Cellular Biochemistry, 1997, 174, 173-9.	3.1	7
501	Experimental resin-based dual-cured calcium aluminate and calcium titanate materials for vital pulp therapy. Brazilian Oral Research, 2022, 36, e037.	1.4	0
502	Comparative cytocompatibility of the new calcium silicate-based cement NeoPutty versus NeoMTA Plus and MTA on human dental pulp cells: an in vitro study. Clinical Oral Investigations, 2022, 26, 7219-7228.	3.0	11
503	The role of microRNA-induced apoptosis in diverse radioresistant cancers. Cellular Signalling, 2023, 104, 110580.	3.6	6
505	Cytotoxic effects of psychoactive isobutyrylfentanyl and its halogenated derivatives on isolated rat hepatocytes. Journal of Applied Toxicology, 0, , .	2.8	0
506	Protective Effect of Trillium tschonoskii Maxim Components Against Glutamate-Induced SH-SY5Y Cells Damage Through Regulating Apoptosis. Dose-Response, 2023, 21, 155932582311695.	1.6	1
508	Snake venom phospholipases A2 and their roles in snakebite envenomings. , 2023, , 105-123.		0
509	Specimen Shape and Elution Time Affect the Mineralization and Differentiation Potential of Dental Pulp Stem Cells to Biodentine. Journal of Functional Biomaterials, 2024, 15, 1.	4.4	0
510	Calcium influx-induced lytic cell death disrupts skin immune homeostasis. Cell Discovery, 2023, 9, .	6.7	0