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## Oxidative stress, glutamate, and neurodegenerative disorder

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2132	Pathogenesis of influenza virus-induced pneumonia: involvement of both nitric oxide and oxygen radicals. <b>1996</b> , 93, 2448-53	414
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2126	The contrasting roles of ICE family proteases and interleukin-1beta in apoptosis induced by trophic factor withdrawal and by copper/zinc superoxide dismutase down-regulation. <b>1996</b> , 93, 5635-40	186
2125	Constitutive overexpression of Cu/Zn superoxide dismutase exacerbates kainic acid-induced apoptosis of transgenic-Cu/Zn superoxide dismutase neurons. <b>1996</b> , 93, 8530-5	102
2124	Hydrogen peroxide-mediated neuronal cell death induced by an endogenous neurotoxin, 3-hydroxykynurenine. <b>1996</b> , 93, 12553-8	231
2123	Age-related losses of cognitive function and motor skills in mice are associated with oxidative protein damage in the brain. <b>1996</b> , 93, 4765-9	405
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2118	The roles of free radicals in amyotrophic lateral sclerosis. <b>1996</b> , 7, 159-67	35
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2116	Characterization of drugs as antioxidant prophylactics. <b>1996</b> , 20, 675-705	134
2115	Conventional cell culture media do not adequately supply cells with antioxidants and thus facilitate peroxide-induced genotoxicity. <b>1996</b> , 21, 297-306	126
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2113	The presence of calbindin in rat cortical neurons protects in vitro from oxydative stress. <b>1996</b> , 707, 288-92	36
2112	Deferoxamine improves spatial memory performance following experimental brain injury in rats. <b>1996</b> , 717, 109-17	70
2111	Autoradiographic evidence for methamphetamine-induced striatal dopaminergic loss in mouse brain: attenuation in CuZn-superoxide dismutase transgenic mice. <b>1996</b> , 714, 95-103	105
2110	Stimulation of N-methyl-D-aspartate receptors induces apoptosis in rat brain. <b>1996</b> , 725, 166-76	19
2109	A flow cytometric study of N-methyl-D-aspartate effects on dissociated cerebellar cells. <b>1996</b> , 723, 110-4	32

2108	Ascorbate attenuates the systemic kainate-induced neurotoxicity in the rat hippocampus. <b>1996</b> , 727, 133-44	107
2107	Inhibition of free radical production or free radical scavenging protects from the excitotoxic cell death mediated by glutamate in cultures of cerebellar granule neurons. <b>1996</b> , 728, 1-6	109
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2096	Methylphenylpyridium ion (MPP+) enhances glutamate-induced cytotoxicity against dopaminergic neurons in cultured rat mesencephalon. <b>1996</b> , 43, 55-62	51
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2033	Age-dependent induction of nitric oxide synthase activity in facial motoneurons after axotomy. <b>1997</b> , 145, 361-70	22
2032	Postischemic infusion of Cu/Zn superoxide dismutase or SOD:Tet451 reduces cerebral infarction following focal ischemia/reperfusion in rats. <b>1997</b> , 146, 435-43	55
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1554	Mitochondria and neuronal survival. <b>2000</b> , 80, 315-60	994
1553	Oxidative DNA damage precedes DNA fragmentation after experimental stroke in rat brain. <b>2000</b> , 14, 955-67	139
1552	Mice deficient in cellular glutathione peroxidase show increased vulnerability to malonate, 3-nitropropionic acid, and 1-methyl-4-phenyl-1,2,5,6-tetrahydropyridine. <b>2000</b> , 20, 1-7	1886
1551	Unequal expression of allelic kainate receptor GluR7 mRNAs in human brains. <b>2000</b> , 20, 9025-33	25

1550	Exacerbated responses to oxidative stress by an Na(+) load in isolated nerve terminals: the role of ATP depletion and rise of [Ca(2+)](i). <b>2000</b> , 20, 2094-103	72
1549	Heat-induced cellular damage and tolerance in combination with adriamycin for the PC-3 prostate cancer cell line: relationships with cytotoxicity, reactive oxygen species and heat shock protein 70 expression. <b>2000</b> , 38, 235-40	9
1548	Pretreatment with MK-801 or the lazaroïd U-83836E does not enhance striatal graft survival. <b>2000</b> , 9, 73-8	5
1547	NMDA and glutamate evoke excitotoxicity at distinct cellular locations in rat cortical neurons in vitro. <b>2000</b> , 20, 8831-7	69
1546	Anatomic and Molecular Principles of Psychopharmacology. <b>2000</b> , 9, 1-22	3
1545	A novel neuronal cell protecting substance mescengricin produced by Streptomyces griseoflavus. <b>2000</b> , 2, 121-32	13
1544	Myeloperoxidase is involved in H2O2-induced apoptosis of HL-60 human leukemia cells. <b>2000</b> , 275, 22461-9	70
1543	Cytochrome c is released from mitochondria in a reactive oxygen species (ROS)-dependent fashion and can operate as a ROS scavenger and as a respiratory substrate in cerebellar neurons undergoing excitotoxic death. <b>2000</b> , 275, 37159-66	158
1542	Tyrosine nitration by simultaneous generation of (.)NO and O-(2) under physiological conditions. How the radicals do the job. <b>2000</b> , 275, 3031-6	145
1541	Dopamine mercapturate can augment dopaminergic neurodegeneration. <b>2000</b> , 32, 363-76	10
1540	Improving the survival of grafted embryonic dopamine neurons in rodent models of Parkinson's disease. <b>2000</b> , 127, 203-31	31
1539	Altered calcium homeostasis in ALS as a target for therapy. <b>2000</b> , 1, 27-32	4
1538	Corticotropin-releasing hormone-mediated neuroprotection against oxidative stress is associated with the increased release of non-amyloidogenic amyloid beta precursor protein and with the suppression of nuclear factor-kappaB. <b>2000</b> , 14, 147-59	102
1537	Improvement in cerebral blood flow and metabolism following subarachnoid hemorrhage in response to prophylactic administration of the hydroxyl radical scavenger, AVS, (+/-)-N,N'-propylenedinitinamide: a positron emission tomography study in rats. <b>2000</b> , 92, 1009-15	17
1536	Experimentally activated immune defence in female pied flycatchers results in reduced breeding success. <b>2000</b> , 267, 665-70	223
1535	Molecular basis of vitamin E action. Tocotrienol potently inhibits glutamate-induced pp60(c-Src) kinase activation and death of HT4 neuronal cells. <b>2000</b> , 275, 13049-55	241
1534	Persistent activation of ERK contributes to glutamate-induced oxidative toxicity in a neuronal cell line and primary cortical neuron cultures. <b>2000</b> , 275, 12200-6	449
1533	Choline release and inhibition of phosphatidylcholine synthesis precede excitotoxic neuronal death but not neurotoxicity induced by serum deprivation. <b>2000</b> , 275, 18350-7	23

1532	Superoxide dismutase-1 mutation-related neurotoxicity in familial amyotrophic lateral sclerosis. <b>2000</b> , 1, 143-61	22
1531	Copper-Dependent Oxidative Stress and Neurodegeneration. <b>2000</b> , 50, 309-314	54
1530	Body iron stores and early neurologic deterioration in acute cerebral infarction. <b>2000</b> , 54, 1568-74	99
1529	Molecular cloning and characterization of Amida, a novel protein which interacts with a neuron-specific immediate early gene product arc, contains novel nuclear localization signals, and causes cell death in cultured cells. <b>2000</b> , 275, 2647-53	43
1528	Dendrite loss is a characteristic early indicator of toxin-induced neurodegeneration in rat midbrain slices. <b>2000</b> , 161, 306-16	41
1527	Oxidized high-density lipoprotein induces neuron death. <b>2000</b> , 161, 621-30	23
1526	Continuous infusion of cyclosporin A postinjury significantly ameliorates cortical damage following traumatic brain injury. <b>2000</b> , 161, 631-7	144
1525	Neuroprotection by 2-h postischemia administration of two free radical scavengers, alpha-phenyl-n-tert-butyl-nitrone (PBN) and N-tert-butyl-(2-sulfophenyl)-nitrone (S-PBN), in rats subjected to focal embolic cerebral ischemia. <b>2000</b> , 163, 39-45	52
1524	Posthypoxic reoxygenation-induced neurotoxicity prevented by free radical scavenger and NMDA/non-NMDA antagonist in tandem as revealed by dynamic changes in glucose metabolism with positron autoradiography. <b>2000</b> , 164, 269-79	6
1523	The expression of the calcium binding protein calretinin in the rat striatum: effects of dopamine depletion and L-DOPA treatment. <b>2000</b> , 164, 322-32	20
1522	beta-amyloid peptides are cytotoxic to astrocytes in culture: a role for oxidative stress. <b>2000</b> , 7, 395-405	48
1521	The estrogen replacement therapy of the Women's Health Initiative promotes the cellular mechanisms of memory and neuronal survival in neurons vulnerable to Alzheimer's disease. <b>2000</b> , 34 Suppl 2, S35-52	56
1520	N-methyl-D-aspartate receptor blockade enhances neuronal apoptosis induced by serum deprivation. <b>2000</b> , 278, 149-52	25
1519	Activation of calpain precedes morphological alterations during hydrogen peroxide-induced apoptosis in neuronally differentiated mouse embryonal carcinoma P19 cell line. <b>2000</b> , 279, 97-100	34
1518	Cellular and mitochondrial changes in glutamate-induced HT4 neuronal cell death. <b>2000</b> , 97, 531-41	72
1517	Glutamate-mediated neuroprotection against N-methyl-D-aspartate toxicity: a role for metabotropic glutamate receptors. <b>2000</b> , 99, 731-6	28
1516	Alteration of expression levels of neuronal nitric oxide synthase and haem oxygenase-2 messenger RNA in the hippocampi and cortices of young adult and aged cognitively unimpaired and impaired Long-Evans rats. <b>2000</b> , 100, 769-75	39
1515	Dose-response curve and optimal dosing regimen of cyclosporin A after traumatic brain injury in rats. <b>2000</b> , 101, 289-95	126

1514	Mitochondrial superoxide production in kainate-induced hippocampal damage. <b>2000</b> , 101, 563-70	256
1513	Regulation of N-methyl-D-aspartate receptor expression and N-methyl-D-aspartate-induced cellular response during chronic hypoxia in differentiated rat PC12 cells. <b>2000</b> , 101, 1153-62	19
1512	Mice transgenic for the human Huntington's disease mutation have reduced sensitivity to kainic acid toxicity. <b>2000</b> , 52, 51-9	59
1511	Lesch-Nyhan disease and the basal ganglia. <b>2000</b> , 32, 449-75	139
1510	Ascorbate regulation and its neuroprotective role in the brain. <b>2000</b> , 23, 209-16	632
1509	Modification of ion channels and calcium homeostasis of basal forebrain neurons during aging. <b>2000</b> , 115, 219-33	24
1508	Oxidative glutamate toxicity involves mitochondrial dysfunction and perturbation of intracellular Ca <sup>2+</sup> homeostasis. <b>2000</b> , 37, 227-36	135
1507	Lithium plus pilocarpine induced status epilepticus--biochemical changes. <b>2000</b> , 36, 157-66	68
1506	Electroconvulsive shock in rats: changes in superoxide dismutase and glutathione peroxidase activity. <b>2000</b> , 76, 266-74	33
1505	Implication of cysteine proteases calpain, cathepsin and caspase in ischemic neuronal death of primates. <b>2000</b> , 62, 273-95	298
1504	Tissue transglutaminase: a possible role in neurodegenerative diseases. <b>2000</b> , 61, 439-63	143
1503	Neurotoxicity associated with neuroleptic-induced oral dyskinesias in rats. Implications for tardive dyskinesia?. <b>2000</b> , 61, 525-41	184
1502	Functional changes of the basal ganglia circuitry in Parkinson's disease. <b>2000</b> , 62, 63-88	413
1501	The neuroprotective effect of deferoxamine in the hypoxic-ischemic immature mouse brain. <b>2000</b> , 282, 113-6	67
1500	Peroxiredoxin I (macrophage 23 kDa stress protein) is highly and widely expressed in the rat nervous system. <b>2000</b> , 283, 57-60	44
1499	Neuroprotection by MAPK/ERK kinase inhibition with U0126 against oxidative stress in a mouse neuronal cell line and rat primary cultured cortical neurons. <b>2000</b> , 288, 163-6	201
1498	Oxidative stress and an altered methionine metabolism in alcoholism. <b>2000</b> , 293, 171-4	50
1497	Dexamethasone-enhanced sensitivity of mouse hippocampal HT22 cells for oxidative stress is associated with the suppression of nuclear factor-kappaB. <b>2000</b> , 295, 101-4	21



1496	Inhibition of glutathione depletion by retinoic acid and tocopherol protects cultured neurons from staurosporine-induced oxidative stress and apoptosis. <b>2000</b> , 36, 1-5	61
1495	The women's health initiative estrogen replacement therapy is neurotrophic and neuroprotective. <b>2000</b> , 21, 475-96	90
1494	Cell cycle regulators in neuronal death evoked by excitotoxic stress: implications for neurodegeneration and its treatment. <b>2000</b> , 21, 771-81	131
1493	Mechanisms of action of neuroprotectants in stroke. <b>2000</b> , 9, 9-14	32
1492	The salicylate hydroxylation assay to measure hydroxyl free radicals induced by local application of glutamate in vivo or induced by the Fenton reaction in vitro. <b>2000</b> , 5, 204-10	39
1491	Differential alterations of NF-kappaB to oxidative stress in primary basal forebrain cultures. <b>2000</b> , 18, 185-92	15
1490	Intra-striatal infusion of D-amphetamine induces hydroxyl radical formation: inhibition by MK-801 pretreatment. <b>2000</b> , 39, 419-26	23
1489	Total Synthesis of Antioxidant Alkaloid Carazostatin via Electrocyclic Ring Closure of 3-Butadienyl-2-methoxyindole. <b>2000</b> , 53, 1681	9
1488	Effects of salicylic acid in glutamate- and kainic acid-induced neurotoxicity in cerebellar granular cell culture of rats. <b>2000</b> , 42, 547-51	10
1487	Neural Transplantation Methods. <b>2000</b> ,	8
1486	Model for aging in the basal forebrain cholinergic system. <b>2000</b> , 2, 437-47	10
1485	Serum Schiff Bases Are Elevated in Patients with Dementia. <b>2000</b> , 3, 251-257	0
1484	Antioxidants and herbal extracts protect HT-4 neuronal cells against glutamate-induced cytotoxicity. <b>2000</b> , 32, 115-24	59
1483	Synaptosomal response to oxidative stress: effect of vinpocetine. <b>2000</b> , 32, 57-66	39
1482	Riluzole. <b>2000</b> , 1, 3-4	1
1481	Mitochondria, oxidative stress and aging. <b>2000</b> , 32, 189-98	197
1480	Neuroprotective Strategies in Neural Grafting. <b>2000</b> , 411-440	2
1479	The possibility of neurotoxicity in the hippocampus in major depression: a primer on neuron death. <b>2000</b> , 48, 755-65	528

1478	3-nitropropionic acid induced in vivo protein oxidation in striatal and cortical synaptosomes: insights into Huntington's disease. <b>2000</b> , 858, 356-62	72
1477	Glutamate and aspartate impair memory retention and damage hypothalamic neurons in adult mice. <b>2000</b> , 115, 117-25	33
1476	The relationship between stress protein induction and the oxidative defense system in the rat hippocampus following kainic acid administration. <b>2000</b> , 116, 17-26	23
1475	Oxidative regulation of fatty acid-induced tau polymerization. <b>2000</b> , 39, 14203-10	121
1474	Oxidative damage and schizophrenia: an overview of the evidence and its therapeutic implications. <b>2001</b> , 15, 287-310	219
1473	A review of MRI findings in schizophrenia. <b>2001</b> , 49, 1-52	1881
1472	Chronic high-dose glycine nutrition: effects on rat brain cell morphology. <b>2001</b> , 49, 876-85	32
1471	The early stages of schizophrenia: speculations on pathogenesis, pathophysiology, and therapeutic approaches. <b>2001</b> , 50, 884-97	414
1470	Melatonin protects against 6-OHDA-induced neurotoxicity in rats: a role for mitochondrial complex I activity. <b>2001</b> , 15, 164-170	167
1469	A rational approach to the design of selective substrates and potent nontransportable inhibitors of the excitatory amino acid transporter EAAC1 (EAAT3). new glutamate and aspartate analogues as potential neuroprotective agents. <b>2001</b> , 44, 2507-10	48
1468	Cationic liposomes induce macrophage apoptosis through mitochondrial pathway. <b>2001</b> , 392, 245-50	43
1467	xCt cystine transporter expression in HEK293 cells: pharmacology and localization. <b>2001</b> , 282, 1132-7	38
1466	Dna fragmentation factor 45 mutant mice exhibit resistance to kainic acid-induced neuronal cell death. <b>2001</b> , 285, 1143-9	19
1465	Lipoxygenase may be involved in cationic liposome-induced macrophage apoptosis. <b>2001</b> , 288, 116-20	17
1464	Mice with a partial deficiency of manganese superoxide dismutase show increased vulnerability to the mitochondrial toxins malonate, 3-nitropropionic acid, and MPTP. <b>2001</b> , 167, 189-95	87
1463	Cortical and striatal neuronal cultures of the same embryonic origin show intrinsic differences in glutamate receptor expression and vulnerability to excitotoxicity. <b>2001</b> , 168, 47-62	30
1462	Mechanisms of estrogenic protection against gp120-induced neurotoxicity. <b>2001</b> , 168, 385-91	30
1461	Mutant huntingtin enhances excitotoxic cell death. <b>2001</b> , 17, 41-53	158

1460	Identification of the full-length huntingtin- interacting protein p231HBP/HYPB as a DNA-binding factor. <b>2001</b> , 18, 68-79	22
1459	Neuroserpin, a neuroprotective factor in focal ischemic stroke. <b>2001</b> , 18, 443-57	119
1458	Oxidative stress and neuronal DNA fragmentation mediate age-dependent vulnerability to the mitochondrial toxin, 3-nitropropionic acid, in the mouse striatum. <b>2001</b> , 8, 114-26	50
1457	Zinc or copper deficiency-induced impaired inflammatory response to brain trauma may be caused by the concomitant metallothionein changes. <b>2001</b> , 18, 447-63	48
1456	New neural theory of migraine. <b>2001</b> , 56, 360-3	17
1455	Common etiology of posttraumatic stress disorder, fibromyalgia, chronic fatigue syndrome and multiple chemical sensitivity via elevated nitric oxide/peroxynitrite. <b>2001</b> , 57, 139-45	58
1454	Absolute kinetic characterization of 17-beta-estradiol as a radical-scavenging, antioxidant synergist. <b>2001</b> , 392, 233-44	13
1453	Glutathione elevation and its protective role in acrolein-induced protein damage in synaptosomal membranes: relevance to brain lipid peroxidation in neurodegenerative disease. <b>2001</b> , 39, 141-9	155
1452	Reactive oxygen species uncouple external horizontal cells in the carp retina and glutathione couples them again. <b>2001</b> , 102, 959-67	6
1451	Lithium suppresses excitotoxicity-induced striatal lesions in a rat model of Huntington's disease. <b>2001</b> , 106, 603-12	117
1450	Neurotoxicity of glutamate uptake inhibition in vivo: correlation with succinate dehydrogenase activity and prevention by energy substrates. <b>2001</b> , 106, 669-77	50
1449	Iron and neurodegenerative disorders. <b>2001</b> , 55, 155-64	200
1448	Oxidative stress in Rett syndrome. <b>2001</b> , 23 Suppl 1, S236-9	51
1447	Oxidative stress and role of antioxidant and omega-3 essential fatty acid supplementation in schizophrenia. <b>2001</b> , 25, 463-93	164
1446	Ionic mechanisms underlying differential vulnerability to ischemia in striatal neurons. <b>2001</b> , 63, 687-96	56
1445	Recombinant core protein fragment of phosphacan, a brain specific chondroitin sulfate proteoglycan, promote excitotoxic cell death of cultured rat hippocampal neurons. <b>2001</b> , 304, 169-72	7
1444	Ethanol decreases the expression of mitochondrial cytochrome c oxidase mRNA in the rat. <b>2001</b> , 305, 107-10	15
1443	Oxidative stress and neuroAIDS: triggers, modulators and novel antioxidants. <b>2001</b> , 24, 411-6	161

1442	Methamphetamine-induced alteration in striatal p53 and bcl-2 expressions in mice. <b>2001</b> , 91, 174-8	31
1441	Protective effects of flavonoids in the roots of <i>Scutellaria baicalensis</i> Georgi against hydrogen peroxide-induced oxidative stress in HS-SY5Y cells. <b>2001</b> , 43, 173-8	219
1440	Enhanced free radical scavenging and decreased lipid peroxidation in the rat fetal brain after treatment with ethyl docosahexaenoate. <b>2001</b> , 1532, 203-12	47
1439	Glutamate neurotoxicity, oxidative stress and mitochondria. <b>2001</b> , 497, 1-5	246
1438	High cholesterol diet down regulates the activity of activator protein-1 but not nuclear factor-kappa B in rabbit brain. <b>2001</b> , 68, 1495-503	13
1437	Oxidative stress induced-neurodegenerative diseases: the need for antioxidants that penetrate the blood brain barrier. <b>2001</b> , 40, 959-75	595
1436	Novel effect of nefopam preventing cGMP increase, oxygen radical formation and neuronal death induced by veratridine. <b>2001</b> , 41, 935-42	19
1435	Antioxidant defences and oxidative stress markers in erythrocytes and plasma from normally nourished elderly Alzheimer patients. <b>2001</b> , 30, 235-41	130
1434	Self-Protective mechanism awakened by glutamate in retinal ganglion cells. <b>2001</b> , 18, 339-49	16
1433	Effect of mitochondrial electron transport chain inhibitors on superoxide radical generation in rat hippocampal and striatal slices. <b>2001</b> , 3, 1099-104	40
1432	Development of lipophilic cations as therapies for disorders due to mitochondrial dysfunction. <b>2001</b> , 1, 753-64	57
1431	Five novel neuroprotective triterpene esters of <i>Ulmus davidiana</i> var. <i>japonica</i> . <b>2001</b> , 64, 328-31	33
1430	Motor impairments in an oxidative stress model and its correlation with cytological changes on rat striatum and prefrontal cortex. <b>2001</b> , 108, 193-200	21
1429	Regional and Laminar Patterns of Selective Neuronal Vulnerability in Alzheimer's Disease. <b>2001</b> , 95-109	1
1428	PHYSIOLOGICAL AND TOXICOLOGICAL CONSIDERATIONS. <b>2001</b> , 173-353	
1427	Neuroprotection mediated by glial cell line-derived neurotrophic factor: involvement of a reduction of NMDA-induced calcium influx by the mitogen-activated protein kinase pathway. <b>2001</b> , 21, 3024-33	174
1426	Hypoglycemia enhances ionotropic but reduces metabotropic glutamate responses in substantia nigra dopaminergic neurons. <b>2001</b> , 85, 1159-66	19
1425	Protective effect of docosahexaenoic acid against retinal ischemic injury: an electroretinographic study. <b>2001</b> , 33, 191-5	20

1424	Behavioral activation in rats requires endogenous ascorbate release in striatum. <b>2001</b> , 21, 668-75	46
1423	How protein kinase C activation protects nerve cells from oxidative stress-induced cell death. <b>2001</b> , 21, 2929-38	188
1422	Quinolinic acid induces oxidative stress in rat brain synaptosomes. <b>2001</b> , 12, 871-4	109
1421	Stress, ageing and quality of life. <b>2001</b> , 9, 487-499	3
1420	Estrogen protects neuronal cells from amyloid beta-induced apoptotic cell death. <b>2001</b> , 12, 1965-70	51
1419	Benzastatins H and I, new benzastatin derivatives with neuronal cell protecting activity from <i>Streptomyces nitrosporeus</i> . <b>2001</b> , 54, 513-6	9
1418	Flavonoids protect neurons from oxidized low-density-lipoprotein-induced apoptosis involving c-Jun N-terminal kinase (JNK), c-Jun and caspase-3. <b>2001</b> , 358, 547-57	149
1417	Flavonoids protect neurons from oxidized low-density-lipoprotein-induced apoptosis involving c-Jun N-terminal kinase (JNK), c-Jun and caspase-3. <b>2001</b> , 358, 547-557	278
1416	Depletion of circulating alpha(2)-antiplasmin by intravenous plasmin or immunoneutralization reduces focal cerebral ischemic injury in the absence of arterial recanalization. <b>2001</b> , 97, 3086-92	39
1415	Ginkgo biloba neuroprotection: Therapeutic implications in Alzheimer's disease. <b>2001</b> , 3, 401-407	49
1414	Diversity of caspase involvement in neuronal cell death. <b>2001</b> , 67-92	1
1413	Apoptosis in Huntington disease and animal models. <b>2001</b> , 205-223	1
1412	Apoptosis in motor neuron degenerative diseases. <b>2001</b> , 225-269	
1411	Oxytosis: A novel form of programmed cell death. <b>2001</b> , 1, 497-506	347
1410	Ebselen reduces cytochrome c release from mitochondria and subsequent DNA fragmentation after transient focal cerebral ischemia in mice. <b>2001</b> , 32, 1906-11	88
1409	C-phycoyanin protects cerebellar granule cells from low potassium/serum deprivation-induced apoptosis. <b>2001</b> , 364, 96-104	36
1408	Neurochemical findings in the MPTP model of Parkinson's disease. <b>2001</b> , 108, 1263-82	221
1407	Inhibitory effect of fangchinoline on excitatory amino acids-induced neurotoxicity in cultured rat cerebellar granule cells. <b>2001</b> , 24, 164-70	8

1406	Evaluation of blood compatibility of fluorinated polyimide by immunolabeling assay. <b>2001</b> , 4, 107-112	14
1405	Expressions of caspase-3, Tunel, and Hsp72 immunoreactivities in cultured spinal cord neurons of rat after exposure to glutamate, nitric oxide, or peroxyxynitrite. <b>2001</b> , 3, 281-9	5
1404	The effect of L-carnitine on T-maze learning ability in aged rats. <b>2001</b> , 32, 245-53	13
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1402	Kainic acid-induced apoptosis in rat striatum is associated with nuclear factor-kappaB activation. <b>2000</b> , 74, 647-58	89
1401	Pathways of neurosteroid biosynthesis in cell lines from human brain: regulation of dehydroepiandrosterone formation by oxidative stress and beta-amyloid peptide. <b>2000</b> , 74, 847-59	84
1400	IPF, a vesicular uptake inhibitory protein factor, can reduce the Ca(2+)-dependent, evoked release of glutamate, GABA and serotonin. <b>2001</b> , 76, 1153-64	17
1399	Enhanced neuronal protection from oxidative stress by coculture with glutamic acid decarboxylase-expressing astrocytes. <b>2001</b> , 77, 598-606	35
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1397	Nitroxyl anion regulation of the NMDA receptor. <b>2001</b> , 78, 1126-34	41
1396	Tetracycline derivatives and ceftriaxone, a cephalosporin antibiotic, protect neurons against apoptosis induced by ionizing radiation. <b>2001</b> , 78, 1409-14	75
1395	Calbindin D28K gene transfer via herpes simplex virus amplicon vector decreases hippocampal damage in vivo following neurotoxic insults. <b>1999</b> , 73, 1200-5	70
1394	Oxidative stress, mitochondrial function, and acute glutamate excitotoxicity in cultured cerebellar granule cells. <b>1999</b> , 72, 1394-401	139
1393	Inhibition of excessive neuronal apoptosis by the calcium antagonist amlodipine and antioxidants in cerebellar granule cells. <b>1999</b> , 72, 1448-56	78
1392	Tumor necrosis factor-alpha and phorbol 12-myristate 13-acetate differentially modulate cytotoxic effect of nitric oxide generated by serum deprivation in neuronal PC12 cells. <b>1999</b> , 72, 1482-8	37
1391	4-Hydroxy-2(E)-nonenal inhibits CNS mitochondrial respiration at multiple sites. <b>1999</b> , 72, 1617-24	120
1390	Differential subcellular redistribution of protein kinase C isozymes in the rat hippocampus induced by kainic acid. <b>1999</b> , 72, 1735-43	32
1389	Neuronal apoptosis in mouse trisomy 16: mediation by caspases. <b>1999</b> , 72, 1769-72	26

1388	Formation of the base modification 8-hydroxyl-2'-deoxyguanosine and DNA fragmentation following seizures induced by systemic kainic acid in the rat. <b>2000</b> , 74, 302-9	53
1387	Biochemical evidence of crossed cerebellar diaschisis in terms of nitric oxide indicators and lipid peroxidation products in rats during focal cerebral ischemia. <b>2001</b> , 103, 43-8	14
1386	Mice transgenic for exon 1 of the Huntington's disease gene display reduced striatal sensitivity to neurotoxicity induced by dopamine and 6-hydroxydopamine. <b>2001</b> , 14, 1425-35	34
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1383	Role of taurine in regulation of intracellular calcium level and neuroprotective function in cultured neurons. <b>2001</b> , 66, 612-9	118
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1381	AMPA receptor activation leads to neurite retraction in tangentially migrating neurons in the intermediate zone of the embryonic rat neocortex. <b>2001</b> , 63, 35-44	46
1380	Gene expression monitoring for gene discovery in models of peripheral and central nervous system differentiation, regeneration, and trauma. <b>2001</b> , 80, 171-180	9
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1378	Neuroprotective effects of (+/-)-kavain in the MPTP mouse model of Parkinson's disease. <b>2001</b> , 40, 47-54	26
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1375	Different effects of lectins on the ligand binding of the NMDA receptors and sigma sites in rat brain hippocampus synaptic membranes. <b>2001</b> , 26, 457-62	5
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1373	Protective effect of glutathione in HIV-1 lytic peptide 1-induced cell death in human neuronal cells. <b>2001</b> , 7, 454-65	29
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1371	Magnetic resonance imaging and 1H-magnetic resonance spectroscopy in amyotrophic lateral sclerosis. <b>2001</b> , 43, 189-97	74

1370	ORP150 protects against hypoxia/ischemia-induced neuronal death. <b>2001</b> , 7, 317-23	179
1369	Therapeutic opportunities in polyglutamine disease. <b>2001</b> , 7, 419-23	65
1368	Poly(ADP-ribose) polymerase inhibitors attenuate necrotic but not apoptotic neuronal death in experimental models of cerebral ischemia. <b>2001</b> , 8, 921-32	127
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1366	A missense mutation in a novel gene encoding a putative cation channel is associated with catatonic schizophrenia in a large pedigree. <b>2001</b> , 6, 302-6	81
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1364	T-cell-based immunity counteracts the potential toxicity of glutamate in the central nervous system. <b>2001</b> , 119, 199-204	70
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975	Oxidative stress and neurotoxicity in Parkinson's patients in on-off phenomena. <b>2004</b> , 18, 539-562	

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968	Mitogen-activated protein kinase/extracellular signal-regulated kinase attenuates 3-hydroxykynurenine-induced neuronal cell death. <b>2004</b> , 88, 647-56	38
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845	Tolerance of aged rat brains to mild hyperoxia: possible involvement of higher GIF content. <b>2005</b> , 1033, 113-6	2
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828	Targeted fluorescent probes for detection of oxidative stress in the mitochondria. <b>2015</b> , 25, 3476-80	8
827	Sevoflurane preconditioning improving cerebral focal ischemia-reperfusion damage in a rat model via PI3K/Akt signaling pathway. <b>2015</b> , 569, 60-5	26
826	Synthesis of fibrinolytic active silver nanoparticle using wheat bran xylan as a reducing and stabilizing agent. <b>2015</b> , 132, 104-10	64
825	Building models for postmortem abnormalities in hippocampus of schizophrenics. <b>2015</b> , 167, 73-83	18
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823	Effects of Mood Stabilizers on Brain Energy Metabolism in Mice Submitted to an Animal Model of Mania Induced by Paradoxical Sleep Deprivation. <b>2015</b> , 40, 1144-52	16
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819	Tideglusib protects neural stem cells against NMDA receptor overactivation. <b>2015</b> , 67, 823-31	10
818	Intervention with exercise restores motor deficits but not nigrostriatal loss in a progressive MPTP mouse model of Parkinson's disease. <b>2015</b> , 299, 156-74	33
817	Potent effects of dioscin against obesity in mice. <b>2015</b> , 5, 7973	60
816	Berberine and neurodegeneration: A review of literature. <b>2015</b> , 67, 970-9	121
815	Partial dopaminergic denervation-induced impairment in stimulus discrimination acquisition in parkinsonian rats: a model for early Parkinson's disease. <b>2015</b> , 92, 71-9	9
814	Neuroprotective effects of $\beta$ -iso-cubebenol on glutamate-induced neurotoxicity. <b>2015</b> , 40, 549-56	6
813	Design, synthesis and biological evaluation of tricyclic diterpene derivatives as novel neuroprotective agents against ischemic brain injury. <b>2015</b> , 103, 396-408	5

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807	Cognitive effects of vanillic acid against streptozotocin-induced neurodegeneration in mice. <b>2015</b> , 53, 630-6	64
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