

CITATION REPORT

List of articles citing

Reactive oxygen radicals in signaling and damage in the ischemic brain

DOI: 10.1097/00004647-200101000-00002

Journal of Cerebral Blood Flow and Metabolism, 2001, 21, 2-14.

Source: <https://exaly.com/paper-pdf/33199264/citation-report.pdf>

Version: 2024-04-28

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1365	Therapeutics in Internal Medicine. 1954 , 30, 45-46		
1364	Neurobiology of periventricular leukomalacia in the premature infant. 2001 , 50, 553-62		759
1363	Different effects between 7-nitroindazole and L-NAME on cerebral hemodynamics and hippocampal lesions during kainic acid-induced seizures in newborn rabbits. 2001 , 23, 406-13		25
1362	Glutamate neurotoxicity, oxidative stress and mitochondria. 2001 , 497, 1-5		246
1361	Mitochondrial involvement in acute neurodegeneration. 2001 , 52, 247-54		20
1360	An endogenous cannabinoid (2-AG) is neuroprotective after brain injury. 2001 , 413, 527-31		603
1359	Neuroprotective adaptations in hibernation: therapeutic implications for ischemia-reperfusion, traumatic brain injury and neurodegenerative diseases. 2001 , 31, 563-73		121
1358	Reduction and restoration of mitochondrial dna content after focal cerebral ischemia/reperfusion. 2001 , 32, 2382-7		63
1357	A radical approach to stroke therapy. 2001 , 98, 10989-91		30
1356	Inflammatory response and glutathione peroxidase in a model of stroke. 2002 , 168, 1926-33		56
1355	Hydrogen peroxide stimulates c-Src-mediated big mitogen-activated protein kinase 1 (BMK1) and the MEF2C signaling pathway in PC12 cells: potential role in cell survival following oxidative insults. 2002 , 277, 9614-21		129
1354	Tyrphostins protect neuronal cells from oxidative stress. 2002 , 277, 36204-15		65
1353	Oxidative nerve cell death in Alzheimer's disease and stroke: antioxidants as neuroprotective compounds. 2002 , 383, 521-36		151
1352	Feeding rats diets enriched in lowbush blueberries for six weeks decreases ischemia-induced brain damage. 2002 , 5, 427-31		95
1351	Stilbazulenyl nitron, a novel azulenyl nitron antioxidant: improved neurological deficit and reduced contusion size after traumatic brain injury in rats. 2002 , 96, 1077-83		17
1350	The endocannabinoid system: function in survival of the embryo, the newborn and the neuron. 2002 , 13, 1833-41		31
1349	Oxidative stress in rats with heatstroke-induced cerebral ischemia. 2002 , 33, 790-4		126

1348	Selective vulnerability of late oligodendrocyte progenitors to hypoxia-ischemia. 2002 , 22, 455-63	615
1347	Calcium modulation of adherens and tight junction function: a potential mechanism for blood-brain barrier disruption after stroke. 2002 , 33, 1706-11	234
1346	Discovery of endocannabinoids and some random thoughts on their possible roles in neuroprotection and aggression. 2002 , 66, 93-9	60
1345	Gene therapy for treatment of cerebral ischemia using defective recombinant adeno-associated virus vectors. 2002 , 28, 253-8	13
1344	Role of the antioxidant ascorbate in hibernation and warming from hibernation. 2002 , 133, 483-92	43
1343	Local carboxyfullerene protects cortical infarction in rat brain. 2002 , 43, 317-21	92
1342	Glutathione peroxidase inhibits cell death and glial activation following experimental stroke. 2002 , 109, 34-44	43
1341	DNA microarray analysis of cortical gene expression during early recirculation after focal brain ischemia in rat. 2002 , 108, 81-93	92
1340	Chemical preconditioning with 3-nitropropionic acid: lack of induction of neuronal tolerance in gerbil hippocampus subjected to transient forebrain ischemia. 2002 , 58, 33-9	11
1339	Activation and autophosphorylation of apoptosis signal-regulating kinase 1 (ASK1) following cerebral ischemia in rat hippocampus. 2002 , 329, 232-6	22
1338	Antioxidant therapy in acute central nervous system injury: current state. 2002 , 54, 271-84	398
1337	Molecular mechanisms of cerebral ischemia-induced neuronal death. 2002 , 221, 93-148	147
1336	Pathogenesis of hypoxic-ischemic cerebral injury in the term infant: current concepts. 2002 , 29, 585-602, v	98
1335	Polyamines and central nervous system injury: spermine and spermidine decrease following transient focal cerebral ischemia in spontaneously hypertensive rats. 2002 , 938, 81-6	60
1334	Oxidative brain injury from extravasated erythrocytes after intracerebral hemorrhage. 2002 , 953, 45-52	183
1333	Resveratrol protects against global cerebral ischemic injury in gerbils. 2002 , 958, 439-47	411
1332	Changes in oxidative stress, iNOS activity and neutrophil infiltration in severe transient focal cerebral ischemia in rats. 2002 , 958, 166-75	68
1331	Pharmaco-redox regulation of cytokine-related pathways: from receptor signaling to pharmacogenomics. 2002 , 33, 907-26	39

1330	Protective effect of apolipoprotein E against ischemic neuronal injury is mediated through antioxidant action. 2002 , 68, 226-32		32
1329	Citicoline mechanisms and clinical efficacy in cerebral ischemia. 2002 , 70, 133-9		89
1328	Effects of electromagnetic radiation from a cellular telephone on the oxidant and antioxidant levels in rabbits. 2002 , 20, 279-83		151
1327	Neuroprotection by melatonin against ischemic neuronal injury associated with modulation of DNA damage and repair in the rat following a transient cerebral ischemia. 2002 , 33, 48-56		88
1326	Citicoline: neuroprotective mechanisms in cerebral ischemia. 2002 , 80, 12-23		122
1325	Oxygen and glucose deprivation induces mitochondrial dysfunction and oxidative stress in neurones but not in astrocytes in primary culture. 2002 , 81, 207-17		183
1324	Tetrahydrobiopterin deficiency increases neuronal vulnerability to hypoxia. 2002 , 82, 1148-59		45
1323	PACAP protects cerebellar granule neurons against oxidative stress-induced apoptosis. 2002 , 15, 1451-60		158
1322	A test for detecting long-term sensorimotor dysfunction in the mouse after focal cerebral ischemia. 2002 , 117, 207-14		316
1321	Antioxidant Tempol enhances hypothermic cerebral preservation during prolonged cardiac arrest in dogs. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 105-17	7-3	61
1320	Involvement of superoxide in excitotoxicity and DNA fragmentation in striatal vulnerability in mice after treatment with the mitochondrial toxin, 3-nitropropionic acid. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 798-809	7-3	55
1319	Effects of normobaric hyperoxia in a rat model of focal cerebral ischemia-reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 861-8	7-3	151
1318	STAT1 is activated in neurons after ischemia and contributes to ischemic brain injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 1311-8	7-3	81
1317	Mild hypothermia reduces zinc translocation, neuronal cell death, and mortality after transient global ischemia in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 22, 1231-8	7-3	32
1316	Ebselen attenuates oxidative stress-induced apoptosis via the inhibition of the c-Jun N-terminal kinase and activator protein-1 signalling pathway in PC12 cells. 2002 , 136, 1023-32		80
1315	DAPK catalytic activity in the hippocampus increases during the recovery phase in an animal model of brain hypoxic-ischemic injury. 2002 , 1600, 128-37		37
1314	Neuroprotective effect of apolipoprotein E against ischemia. 2002 , 977, 468-75		14
1313	Chronic cerebral hypoperfusion induces striatal alterations due to the transient increase of NO production and the depression of glutathione content. 2002 , 27, 331-6		10

1312	Phosphorylation state, solubility, and activity of calcium/calmodulin-dependent protein kinase II alpha in transient focal ischemia in mouse brain. 2002 , 27, 477-84	13
1311	Glycine protection of PC-12 cells against injury by ATP-depletion. 2003 , 28, 893-901	24
1310	Variability of the Fenton reaction characteristics of the EDTA, DTPA, and citrate complexes of iron. 2003 , 16, 519-27	96
1309	Phospholipase A2, hydroxyl radicals, and lipid peroxidation in transient cerebral ischemia. 2003 , 5, 647-54	98
1308	Postischemic hypothermia inhibits the generation of hydroxyl radical following transient forebrain ischemia in rats. 2003 , 20, 511-20	50
1307	Genetic deficiency of a mitochondrial aldehyde dehydrogenase increases serum lipid peroxides in community-dwelling females. 2003 , 48, 404-409	41
1306	The antioxidant EPC-K1 ameliorates brain injury by inhibiting lipid peroxidation in a rat model of transient focal cerebral ischaemia. 2003 , 145, 489-93; discussion 493	20
1305	Extracellular superoxide dismutase in biology and medicine. 2003 , 35, 236-56	473
1304	Hemodynamic changes during complete umbilical cord occlusion in fetal sheep related to hippocampal neuronal damage. 2003 , 188, 413-8	17
1303	Nitrones as neuroprotective agents in cerebral ischemia, with particular reference to NXY-059. 2003 , 100, 195-214	88
1302	Honokiol protects rat brain from focal cerebral ischemia-reperfusion injury by inhibiting neutrophil infiltration and reactive oxygen species production. 2003 , 992, 159-66	134
1301	Application of in vivo ESR spectroscopy to measurement of cerebrovascular ROS generation in stroke. 2003 , 35, 1619-31	117
1300	Protective effect of a new nonpeptidyl mimetic of SOD, M40401, against focal cerebral ischemia in the rat. 2003 , 963, 8-14	24
1299	Modulation of D1-like dopamine receptor function by aldehydic products of lipid peroxidation. 2003 , 968, 102-13	26
1298	Polymorphonuclear neutrophils contribute to infarction and oxidative stress in the cortex but not in the striatum after ischemia-reperfusion in rats. 2003 , 987, 32-8	48
1297	The anti-inflammatory effect of honokiol on neutrophils: mechanisms in the inhibition of reactive oxygen species production. 2003 , 475, 19-27	139
1296	Citicoline decreases phospholipase A2 stimulation and hydroxyl radical generation in transient cerebral ischemia. 2003 , 73, 308-15	70
1295	Glutamate uptake inhibitor L-trans-pyrrolidine 2,4-dicarboxylate becomes neurotoxic in the presence of subthreshold concentrations of mitochondrial toxin 3-nitropropionate: involvement of mitochondrial reducing activity and ATP production. 2003 , 74, 956-66	24

1294	Stilbazulenyl nitron, a novel antioxidant, is highly neuroprotective in focal ischemia. 2003 , 54, 330-42		66
1293	Effects of caffeic acid phenethyl ester and alpha-tocopherol on reperfusion injury in rat brain. 2003 , 21, 283-9		94
1292	Superoxide dismutase mimetics. Part 2: synthesis and structure-activity relationship of glyoxylate- and glyoxamide-derived metalloporphyrins. 2003 , 11, 2695-707		77
1291	The utility of melatonin in reducing cerebral damage resulting from ischemia and reperfusion. 2003 , 34, 153-60		112
1290	Deficiency in a mitochondrial aldehyde dehydrogenase increases vulnerability to oxidative stress in PC12 cells. 2003 , 84, 1110-7		101
1289	Bcl-2 overexpression protects against neuron loss within the ischemic margin following experimental stroke and inhibits cytochrome c translocation and caspase-3 activity. 2003 , 85, 1026-36		260
1288	Assessment of the relative contribution of COX-1 and COX-2 isoforms to ischemia-induced oxidative damage and neurodegeneration following transient global cerebral ischemia. 2003 , 86, 545-55		158
1287	Modulation of mitochondrial membrane potential and reactive oxygen species production by copper in astrocytes. 2003 , 87, 448-60		39
1286	Oxygen-induced DNA damage in freshly isolated brain cells compared with cultured astrocytes in the Comet assay. 2003 , Suppl 2, 43-52		5
1285	Cortical spreading depression causes a long-lasting decrease in cerebral blood flow and induces tolerance to permanent focal ischemia in rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 23, 43-50	7-3	62
1284	Deferoxamine improves early postresuscitation reperfusion after prolonged cardiac arrest in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 23, 574-81	7-3	39
1283	Inducible repair of oxidative DNA lesions in the rat brain after transient focal ischemia and reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 23, 1324-39	7-3	51
1282	Mechanisms, challenges and opportunities in stroke. 2003 , 4, 399-415		1363
1281	Hypoxic preconditioning prevents cortical infarction by transient focal ischemia-reperfusion. 2003 , 993, 168-78; discussion 195-6		30
1280	Apoptosis induced in neuronal cells by oxidative stress: role played by caspases and intracellular calcium ions. 2003 , 139, 125-33		214
1279	Neutrophils do not contribute to infarction, oxidative stress, and NO synthase activity in severe brain ischemia. 2003 , 182, 446-54		38
1278	AM-36, a novel neuroprotective agent, profoundly reduces reactive oxygen species formation and dopamine release in the striatum of conscious rats after endothelin-1-induced middle cerebral artery occlusion. 2003 , 44, 787-800		22
1277	Neuroprotection against hypoxia-ischemia in neonatal rat brain by novel superoxide dismutase mimetics. 2003 , 346, 41-4		30

1276	Delayed treatment with nimesulide reduces measures of oxidative stress following global ischemic brain injury in gerbils. 2003 , 47, 245-53	118
1275	An alpha-lipoic acid-vitamin E mixture reduces post-embolism lipid peroxidation, cerebral infarction, and neurological deficit in rats. 2003 , 47, 219-24	37
1274	The neuroprotective effect of a novel calmodulin antagonist, 3-[2-[4-(3-chloro-2-methylphenyl)-1-piperazinyl]ethyl]-5,6-dimethoxy-1-(4-imidazolylmethyl)-1H-indazole dihydrochloride 3.5 hydrate, in transient forebrain ischemia. 2003 , 121, 379-86	28
1273	Deleterious activation of poly(ADP-ribose)polymerase-1 in brain after in vivo oxidative stress. 2003 , 37, 1201-8	22
1272	Oxidative stress, cell cycle, and neurodegeneration. 2003 , 111, 785-793	343
1271	Neuroprotective effects of (S)-N-[4-[4-[(3,4-Dihydro-6-hydroxy-2,5,7,8-tetramethyl-2H-1-benzopyran-2-yl)carbonyl]-1-piperazinyl]phenyl]-2-thiophenecarboxamide hydrochloride (BN 80933), an inhibitor of neuronal nitric-oxide synthase and an antioxidant, in model of transient focal cerebral ischemia in mice. 2003 , 306, 533-41	14
1270	Inhibition of glutamate release by delaying ATP fall accounts for neuroprotective effects of antioxidants in experimental stroke. 2003 , 17, 2082-4	45
1269	Prospects for the treatment of stroke using gene therapy. 2003 , 3, 357-72	1
1268	Glutathione peroxidase overexpression inhibits cytochrome C release and proapoptotic mediators to protect neurons from experimental stroke. 2003 , 34, 2489-94	73
1267	Attenuation of nitric oxide synthase isoform expression by mild hypothermia after focal cerebral ischemia: variations depending on timing of cooling. 2003 , 98, 1271-6	30
1266	Stroke: molecular mechanisms and potential targets for treatment. 2003 , 3, 361-72	77
1265	Treatments for stroke. 2003 , 8, 103-22	18
1264	Cellular and molecular biology of perinatal hypoxic-ischemic brain damage. 2003 , 58-82	1
1263	Vascular protection. 2003 , 34, 327-9	20
1262	Molecular and Cellular Mechanisms of Ischemia-Induced Neuronal Death. 2004 , 829-854	15
1261	Modulation of the inflammatory response in cardiovascular disease. 2004 , 43, 924-31	105
1260	Melatonin-induced neuroprotection after closed head injury is associated with increased brain antioxidants and attenuated late-phase activation of NF-kappaB and AP-1. 2004 , 18, 149-51	145
1259	Possible inhibition of focal cerebral ischemia by angiotensin II type 2 receptor stimulation. 2004 , 110, 843-8	229

1258	Protein kinase C delta mediates cerebral reperfusion injury in vivo. 2004 , 24, 6880-8		167
1257	Extension of ischemic therapeutic time window by a free radical scavenger, Edaravone, reperfused with tPA in rat brain. 2004 , 26, 342-8		70
1256	Overexpression of CuZn-SOD prevents lipopolysaccharide-induced endothelial dysfunction. 2004 , 35, 1963-7		29
1255	Future targets and cascades for neuroprotective strategies. 2004 , 35, 2748-50		47
1254	Oxidative stress affects the integrin-linked kinase signaling pathway after transient focal cerebral ischemia. 2004 , 35, 2560-5		18
1253	Vascular protection: superoxide dismutase isoforms in the vessel wall. 2004 , 24, 1367-73		376
1252	Arachidonic acid-induced carbon-centered radicals and phospholipid peroxidation in cyclo-oxygenase-2-transfected PC12 cells. 2004 , 90, 1036-49		53
1251	Pretreatment with melatonin exerts anti-inflammatory effects against ischemia/reperfusion injury in a rat middle cerebral artery occlusion stroke model. 2004 , 37, 85-91		68
1250	Neuroprotective effects of melatonin against anoxia/aglycemia stress, as assessed by synaptic potentials and superoxide production in rat hippocampal slices. 2004 , 37, 215-22		17
1249	Pathophysiology of cerebral ischemia and brain trauma: similarities and differences. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004 , 24, 133-50	7-3	473
1248	Bcl-2 transfection via herpes simplex virus blocks apoptosis-inducing factor translocation after focal ischemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004 , 24, 681-92	7-3	86
1247	The neurotoxicity of tissue plasminogen activator?. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2004 , 24, 945-63	7-3	205
1246	GADD34 protein levels increase after transient ischemia in the cortex but not in the CA1 subfield: implications for post-ischemic recovery of protein synthesis in ischemia-resistant cells. 2004 , 90, 694-701		22
1245	Emerging concepts in periventricular white matter injury. 2004 , 28, 405-14		148
1244	Activation of ERK1/2, JNK and PKB by hydrogen peroxide in human SH-SY5Y neuroblastoma cells: role of ERK1/2 in H2O2-induced cell death. 2004 , 483, 163-73		144
1243	Single-dose ebselen does not afford sustained neuroprotection to rats subjected to severe focal cerebral ischemia. 2004 , 495, 55-62		31
1242	Ascorbate distribution during hibernation is independent of ascorbate redox state. 2004 , 37, 511-20		13
1241	Behaviorally-induced ultrastructural plasticity in the hippocampal region after cerebral ischemia. 2004 , 997, 137-46		32

1240	Differential MnSOD and HO-1 expression in cerebral endothelial cells in response to sublethal oxidative stress. 2004 , 1003, 151-8	20
1239	Regulated hypothermia reduces brain oxidative stress after hypoxic-ischemia. 2004 , 1017, 85-91	66
1238	The protective effect of hypoxic preconditioning on cortical neuronal cultures is associated with increases in the activity of several antioxidant enzymes. 2004 , 1017, 146-54	67
1237	Oxyresveratrol (trans-2,3',4,5'-tetrahydroxystilbene) is neuroprotective and inhibits the apoptotic cell death in transient cerebral ischemia. 2004 , 1017, 98-107	106
1236	New synthetic peptides can enhance gene expression of key antioxidant defense enzymes in vitro and in vivo. 2004 , 1024, 34-43	8
1235	Brain ischemic preconditioning is abolished by antioxidant drugs but does not up-regulate superoxide dismutase and glutathion peroxidase. 2004 , 1027, 30-7	63
1234	Neuroprotective effects of the free radical scavenger Edaravone (MCI-186) in mice permanent focal brain ischemia. 2004 , 1029, 200-6	97
1233	Deadly conversations: nuclear-mitochondrial cross-talk. 2004 , 36, 287-94	146
1232	Mitochondria and neuronal death/survival signaling pathways in cerebral ischemia. 2004 , 29, 1943-9	249
1231	Mechanisms of ischemic brain injury. 2004 , 6, 117-23	96
1230	Does phosphorylation of eukaryotic elongation factor eEF2 regulate protein synthesis in ischemic preconditioning?. 2004 , 77, 292-8	10
1229	Preconditioning enhances the expression of mitochondrial antioxidant thioredoxin-2 in the forebrain of rats exposed to severe hypobaric hypoxia. 2004 , 78, 563-9	46
1228	Aqueous carboxyfullerene analogue attenuated cerebral infarct and extracellular glutamate levels in anesthetized rat. 2004 , 34, 112-119	1
1227	The neuropharmacological basis of heat intolerance and its treatment. 2004 , 29, 463-469	12
1226	Normobaric hyperoxia--induced improvement in cerebral metabolism and reduction in intracranial pressure in patients with severe head injury: a prospective historical cohort-matched study. 2004 , 101, 435-44	193
1225	Ascorbate distribution during hibernation is independent of ascorbate redox state. 2004 ,	
1224	Role of matrix metalloproteinases in delayed neuronal damage after transient global cerebral ischemia. 2004 , 24, 671-8	218
1223	Reactive oxygen species in the cerebral circulation: physiological roles and therapeutic implications for hypertension and stroke. 2004 , 64, 2143-57	33

1222	Neuronal death/survival signaling pathways in cerebral ischemia. 2004 , 1, 17-25	227
1221	Extending the window for acute stroke treatment: thrombolytics plus CNS protective therapies. 2004 , 188, 195-9	9
1220	Differential vulnerability of immature murine neurons to oxygen-glucose deprivation. 2004 , 190, 224-32	55
1219	The superoxide dismutase1 (SOD1) G93A mutation does not promote neuronal injury after focal brain ischemia and optic nerve transection in mice. 2004 , 128, 359-64	5
1218	Oxidized low-density lipoprotein is present in astrocytes surrounding cerebral infarcts and stimulates astrocyte interleukin-6 secretion. 2004 , 164, 1173-81	40
1217	Ischemia-related change of ceruloplasmin immunoreactivity in neurons and astrocytes in the gerbil hippocampus and dentate gyrus. 2004 , 44, 601-7	16
1216	Selegiline potentiates the effects of EGb 761 in response to ischemic brain injury. 2004 , 45, 157-70	25
1215	Neuroprotection of catalpol in transient global ischemia in gerbils. 2004 , 50, 169-77	55
1214	Reperfusion-induced oxidative/nitrative injury to neurovascular unit after focal cerebral ischemia. 2004 , 35, 1449-53	241
1213	Physiopathologie de l'ischémie cérébrale. 2004 , 1, 1-10	
1212	[Alterations of antiproliferative effects of serum obtained from patients with acute cerebral infarction treated with a radical scavenger, edaravone, with or without amlodipine using an in vitro cultured basilar artery smooth muscle cells]. 2004 , 124, 25-9	4
1211	Aminoguanidine protects against intracranial hypertension and cerebral ischemic injury in experimental heatstroke. 2004 , 95, 56-64	37
1210	[Research and development of the free radical scavenger edaravone as a neuroprotectant]. 2004 , 124, 99-111	85
1209	Role of AT1 receptors and NAD(P)H oxidase in diabetes-aggravated ischemic brain injury. 2004 , 286, H2442-51	107
1208	Sulfhydryl oxidation reduces hippocampal susceptibility to hypoxia-induced spreading depression by activating BK channels. 2005 , 94, 1091-103	33
1207	Free Radicals and Experimental Autoimmune Encephalomyelitis. 2005 , 379-390	
1206	Adult or perinatal brain injury: does sex matter?. 2005 , 36, 193-5	122
1205	Shengmai San, a Chinese herbal medicine protects against rat heat stroke by reducing inflammatory cytokines and nitric oxide formation. 2005 , 98, 1-7	35

1204	Selective inhibition of inducible nitric oxide synthase attenuates renal ischemia and damage in experimental heatstroke. 2005 , 99, 68-76		7
1203	Evaluation of Brain Ischemia in Mice. 2005 , 38, 99-106		11
1202	NADH can enter into astrocytes and block poly(ADP-ribose) polymerase-1-mediated astrocyte death. 2005 , 16, 1209-12		28
1201	The role of antioxidants in models of inflammation: emphasis on L-arginine and arachidonic acid metabolism. 2005 , 12, 505-19		14
1200	Oxidative stress and neuronal death/survival signaling in cerebral ischemia. 2005 , 31, 105-16		161
1199	Polyphenols in cerebral ischemia: novel targets for neuroprotection. 2005 , 31, 135-47		115
1198	Molecular Signatures of Course and Prognosis of Intracerebral Hemorrhage. 2005 , 5, 178-188		4
1197	AG490 prevents cell death after exposure of rat astrocytes to hydrogen peroxide or proinflammatory cytokines: involvement of the Jak2/STAT pathway. 2005 , 92, 505-18		51
1196	Role of NADPH oxidase in the brain injury of intracerebral hemorrhage. 2005 , 94, 1342-50		101
1195	Oxidative stress in atherogenesis and arterial thrombosis: the disconnect between cellular studies and clinical outcomes. 2005 , 3, 254-67		151
1194	Treatment of elevated intracranial pressure with indomethacin: friend or foe?. 2005 , 49, 341-50		46
1193	Sheng mai san, a Chinese herbal medicine, protects against renal ischaemic injury during heat stroke in the rat. 2005 , 32, 742-8		24
1192	Damage to the endoplasmic reticulum and activation of apoptotic machinery by oxidative stress in ischemic neurons. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 41-53	7-3	140
1191	Long-term neuroprotection with 2-iminobiotin, an inhibitor of neuronal and inducible nitric oxide synthase, after cerebral hypoxia-ischemia in neonatal rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 67-74	7-3	54
1190	Modulation of p53 degradation via MDM2-mediated ubiquitylation and the ubiquitin-proteasome system during reperfusion after stroke: role of oxidative stress. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 267-80	7-3	39
1189	Biphasic cytochrome c release after transient global ischemia and its inhibition by hypothermia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2005 , 25, 1119-29	7-3	66
1188	Melatonin attenuates gray and white matter damage in a mouse model of transient focal cerebral ischemia. 2005 , 38, 42-52		97
1187	Anti-apoptotic and neuroprotective effects of edaravone following transient focal ischemia in rats. 2005 , 516, 125-30		112

1186	Cerebral ischemia induced apoptosis and necrosis in normal and diabetic rats. 2005 , 1053, 1-9	50
1185	The pre-ischaemic neuroprotective effects of N1-dansyl-spermine in a transient focal cerebral ischaemia model in mice. 2005 , 1055, 180-5	12
1184	The role of free radicals in cerebral hypoxia and ischemia. 2005 , 39, 26-50	119
1183	Copper chaperone for Cu,Zn-SOD supplement potentiates the Cu,Zn-SOD function of neuroprotective effects against ischemic neuronal damage in the gerbil hippocampus. 2005 , 39, 392-402	53
1182	Cinnamophilin reduces oxidative damage and protects against transient focal cerebral ischemia in mice. 2005 , 39, 495-510	36
1181	Mitochondrial respiratory chain and free radical generation in stroke. 2005 , 39, 1291-304	187
1180	Protein kinase C isozymes in stroke. 2005 , 15, 47-51	57
1179	Expression of nitric oxide synthase isoforms and nitrotyrosine formation after hypoxia-ischemia in the neonatal rat brain. 2005 , 167, 64-71	56
1178	Glial nitric oxide and ischemia. 2005 , 50, 417-26	66
1177	Ischemia-induced programmed cell death in astrocytes. 2005 , 50, 299-306	133
1176	Normobaric hyperoxia extends the reperfusion window in focal cerebral ischemia. 2005 , 57, 571-5	113
1175	Selective vulnerability of preterm white matter to oxidative damage defined by F2-isoprostanes. 2005 , 58, 108-20	185
1174	Improved anti-inflammatory and pharmacokinetic properties for superoxide dismutase by chemical glycosidation with carboxymethylchitin. 2005 , 5, 118-23	22
1173	NAD ⁺ as a metabolic link between DNA damage and cell death. 2005 , 79, 216-23	168
1172	Pyruvate dehydrogenase complex: metabolic link to ischemic brain injury and target of oxidative stress. 2005 , 79, 240-7	117
1171	Regulation of microglial behavior by ion channel activity. 2005 , 81, 314-21	84
1170	Neuroprotective mechanisms of curcumin against cerebral ischemia-induced neuronal apoptosis and behavioral deficits. 2005 , 82, 138-48	190
1169	Dietary grape supplement ameliorates cerebral ischemia-induced neuronal death in gerbils. 2005 , 49, 443-51	29

1168	Beneficial effects of intermittent fasting and caloric restriction on the cardiovascular and cerebrovascular systems. 2005 , 16, 129-37	341
1167	Effect of the free radical scavenger MCI-186 on spinal cord reperfusion after transient ischemia in the rabbit. 2005 , 53, 426-33	5
1166	Neuroprotective role of neurotrophins: relationship between nerve growth factor and apoptotic cell survival pathway after cerebral ischemia. 2005 , 7, 268-73	10
1165	Molecular pathways involved in apoptotic cell death in the injured cochlea: cues to novel therapeutic strategies. 2005 , 11, 2257-75	9
1164	Oxidative changes in cerebral spinal fluid phosphatidylcholine during treatment for acute lymphoblastic leukemia. 2005 , 6, 187-95	40
1163	Metalloporphyrin-based superoxide dismutase mimic attenuates the nuclear translocation of apoptosis-inducing factor and the subsequent DNA fragmentation after permanent focal cerebral ischemia in mice. 2005 , 36, 2712-7	41
1162	Glutathione and ascorbic acid enhance recovery of Guinea pig spinal cord white matter following ischemia and acrolein exposure. 2005 , 72, 171-8	14
1161	The class B scavenger receptor CD36 mediates free radical production and tissue injury in cerebral ischemia. 2005 , 25, 2504-12	168
1160	Oxidative stress and vascular disease. 2005 , 25, 29-38	1025
1159	A small-molecule-inducible Nrf2-mediated antioxidant response provides effective prophylaxis against cerebral ischemia in vivo. 2005 , 25, 10321-35	348
1158	Platelets, inflammation, and atherothrombotic neurovascular disease: the role of endothelial dysfunction. 2005 , 20 Suppl 2, 32-9	32
1157	A newly synthesized poly(ADP-ribose) polymerase inhibitor, DR2313 [2-methyl-3,5,7,8-tetrahydrothiopyrano[4,3-d]pyrimidine-4-one]: pharmacological profiles, neuroprotective effects, and therapeutic time window in cerebral ischemia in rats. 2005 , 312, 472-81	52
1156	Stilbazulenyl nitron, a second-generation azulenyl nitron antioxidant, confers enduring neuroprotection in experimental focal cerebral ischemia in the rat: neurobehavior, histopathology, and pharmacokinetics. 2005 , 313, 1090-100	26
1155	Tuftsins fragment 1-3 is beneficial when delivered after the induction of intracerebral hemorrhage. 2005 , 36, 613-8	124
1154	Therapeutic efficacy of intraventricular cyclosporine A and methylprednisolone on a global cerebral ischemia model in rats. 2005 , 27, 827-34	18
1153	Elevation of plasma oxidized LDL in acute stroke patients is associated with ischemic lesions depicted by DWI and predictive of infarct enlargement. 2005 , 27, 94-102	35
1152	Exciting, radical, suicidal: how brain cells die after stroke. 2005 , 36, 189-92	180
1151	The role of protein kinase C in cerebral ischemic and reperfusion injury. 2005 , 36, 2781-90	164

1150	A pilot study of normobaric oxygen therapy in acute ischemic stroke. 2005 , 36, 797-802	229
1149	Advances in stroke neuroprotection: hyperoxia and beyond. 2005 , 15, 697-720, xii-xiii	19
1148	Protective mechanisms of inosine in platelet activation and cerebral ischemic damage. 2005 , 25, 1998-2004	75
1147	Cannabinoids as Therapeutics. 2005 ,	13
1146	Neuroprotection by hypoxic preconditioning involves oxidative stress-mediated expression of hypoxia-inducible factor and erythropoietin. 2005 , 36, 1264-9	142
1145	Protective effect of Khamira Abresham Uood Mastagiwala against free radical induced damage in focal cerebral ischemia. 2005 , 99, 179-84	33
1144	Protein disulfide isomerase immunoreactivity and protein level changes in neurons and astrocytes in the gerbil hippocampal CA1 region following transient ischemia. 2005 , 375, 117-22	11
1143	Thrombin preconditioning provides protection in a 6-hydroxydopamine Parkinson's disease model. 2005 , 373, 189-94	35
1142	Antioxidant treatment inhibited glutamate-evoked NF-kappaB activation in primary astroglial cell cultures. 2005 , 26, 915-21	21
1141	Effects of citicoline on experimental spinal cord injury. 2005 , 12, 923-6	12
1140	Evidence that free radical generation occurs during scorpion envenomation. 2005 , 140, 221-6	21
1139	Acute and repeated restraint stress influences cellular damage in rat hippocampal slices exposed to oxygen and glucose deprivation. 2005 , 65, 443-50	31
1138	Ischemic preconditioning increases antioxidants in the brain and peripheral organs after cerebral ischemia. 2005 , 192, 117-24	53
1137	Glutamate promotes NF-kappaB pathway in primary astrocytes: protective effects of IRFI 016, a synthetic vitamin E analogue. 2005 , 193, 377-83	18
1136	PAN-811 (3-aminopyridine-2-carboxaldehyde thiosemicarbazone), a novel neuroprotectant, elicits its function in primary neuronal cultures by up-regulating Bcl-2 expression. 2005 , 135, 191-201	11
1135	[Cerebral oxidative stress: are astrocytes vulnerable to low intracellular glutamate concentrations? Consequences for neuronal viability]. 2005 , 24, 502-9	3
1134	Cannabinoids in neurodegeneration and neuroprotection. 2005 , 79-109	25
1133	The neurosteroids progesterone and allopregnanolone reduce cell death, gliosis, and functional deficits after traumatic brain injury in rats. 2005 , 22, 106-18	315

1132	Intensive care for brain injury after cardiac arrest: therapeutic hypothermia and related neuroprotective strategies. 2006 , 22, 619-36; abstract viii	12
1131	The emerging functions of UCP2 in health, disease, and therapeutics. 2006 , 8, 1-38	140
1130	Ischemic Stroke: Basic Pathophysiology and Neuroprotective Strategies. 2006 , 1-26	
1129	Impact of alkyl esters of caffeic and ferulic acids on tumor cell proliferation, cyclooxygenase enzyme, and lipid peroxidation. 2006 , 54, 5375-81	120
1128	Ebselen induced C6 glioma cell death in oxygen and glucose deprivation. 2006 , 19, 655-60	33
1127	Infusion of human umbilical cord blood cells protect against cerebral ischemia and damage during heatstroke in the rat. 2006 , 199, 67-76	45
1126	In vivo delivery of small interfering RNA targeting brain capillary endothelial cells. 2006 , 340, 263-7	28
1125	Post-treatment with the Ca(2+)-Mg(2+)-endonuclease inhibitor aurintricarboxylic acid prevents peroxynitrite-induced DNA damage and death of murine astrocytes. 2006 , 344, 881-6	3
1124	Neuroprotective effects of resveratrol on cerebral ischemia-induced neuron loss mediated by free radical scavenging and cerebral blood flow elevation. 2006 , 54, 3126-31	79
1123	Pathophysiological factors underlying heatstroke. 2006 , 67, 609-17	69
1122	Sulforaphane reduces infarct volume following focal cerebral ischemia in rodents. 2006 , 393, 108-12	207
1121	Blood-brain barrier permeability to the neuroprotectant oxyresveratrol. 2006 , 393, 113-8	41
1120	Protective effect of quercetin, a natural flavonoid against neuronal damage after transient global cerebral ischemia. 2006 , 404, 330-5	118
1119	Antioxidant N-acetylcysteine inhibits the activation of JNK3 mediated by the GluR6-PSD95-MLK3 signaling module during cerebral ischemia in rat hippocampus. 2006 , 408, 159-64	19
1118	Neuroprotective effects of L-carnitine and vitamin E alone or in combination against ischemia-reperfusion injury in rats. 2006 , 131, 124-30	42
1117	Optical and pharmacological tools to investigate the role of mitochondria during oxidative stress and neurodegeneration. 2006 , 79, 136-71	149
1116	Free radical-mediated neurotoxicity may be caused by inhibition of mitochondrial dehydrogenases in vitro and in vivo. 2006 , 140, 235-46	39
1115	THERAPEUTIC PERSPECTIVES ON THE COMBINATION OF ALPHA-LIPOIC ACID AND VITAMIN E. 2006 , 26, 1-5	33

1114	A cerebroprotective dose of intravenous citrate/sorbitol-stabilized dehydroascorbic acid is correlated with increased cerebral ascorbic acid and inhibited lipid peroxidation after murine reperfused stroke. 2006 , 59, 383-8; discussion 383-8	33
1113	The ALIAS (Albumin In Acute Stroke) Phase III randomized multicentre clinical trial: design and progress report. 2006 , 34, 1323-6	42
1112	Pathophysiology of Stroke. 2006 ,	
1111	Genetically engineered animals. 114-131	
1110	Clinical treatments for mitochondrial dysfunctions after brain injury. 2006 , 12, 90-6	33
1109	Carnitine esters prevent oxidative stress damage and energy depletion following transient forebrain ischaemia in the rat hippocampus. 2006 , 33, 725-33	43
1108	Cerebrovascular dysfunction is an attractive target for therapy in heat stroke. 2006 , 33, 663-72	33
1107	Rapid phosphorylation of histone H2A.X following ionotropic glutamate receptor activation. 2006 , 23, 2351-61	51
1106	Cyclopentenone isoprostanes are novel bioactive products of lipid oxidation which enhance neurodegeneration. 2006 , 97, 1301-13	70
1105	Vitamin E protected cultured cortical neurons from oxidative stress-induced cell death through the activation of mitogen-activated protein kinase and phosphatidylinositol 3-kinase. 2006 , 97, 1191-202	90
1104	Melatonin protects against hydrogen peroxide-induced cell death signaling in SH-SY5Y cultured cells: involvement of nuclear factor kappa B, Bax and Bcl-2. 2006 , 41, 116-23	76
1103	AM-36 modulates the neutrophil inflammatory response and reduces breakdown of the blood brain barrier after endothelin-1 induced focal brain ischaemia. 2006 , 149, 712-23	17
1102	Ischemic preconditioning in the rat brain enhances the repair of endogenous oxidative DNA damage by activating the base-excision repair pathway. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 181-98	7.3 58
1101	CuZn-SOD deficiency, rather than overexpression, is associated with enhanced recovery and attenuated activation of NF-kappaB after brain trauma in mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 478-90	7.3 22
1100	The changes in endogenous antioxidant enzyme activity after postconditioning. 2006 , 26, 1181-91	56
1099	Taxifolin ameliorates cerebral ischemia-reperfusion injury in rats through its anti-oxidative effect and modulation of NF-kappa B activation. 2006 , 13, 127-41	125
1098	Cyclooxygenase-2-dependent neuronal death proceeds via superoxide anion generation. 2006 , 41, 960-72	84
1097	Neuroprotective effects of thymoquinone against transient forebrain ischemia in the rat hippocampus. 2006 , 543, 40-7	149

1096	Inflammation in adult and neonatal stroke. 2006 , 6, 293-313	57
1095	Therapeutic strategies for the treatment of stroke. 2006 , 11, 681-93	120
1094	Action of citicoline on rat retinal expression of extracellular-signal-regulated kinase (ERK1/2). 2006 , 1081, 203-10	9
1093	Gene therapy in the nervous system with superoxide dismutase. 2006 , 1088, 12-8	14
1092	Apocynin protects against global cerebral ischemia-reperfusion-induced oxidative stress and injury in the gerbil hippocampus. 2006 , 1090, 182-9	198
1091	Neuroprotective role of Z-ligustilide against forebrain ischemic injury in ICR mice. 2006 , 1102, 145-53	136
1090	The neuroprotective effect of heme oxygenase (HO) on oxidative stress in HO-1 siRNA-transfected HT22 cells. 2006 , 1108, 39-44	29
1089	NADPH-oxidase activity is elevated in penumbral and non-ischemic cerebral arteries following stroke. 2006 , 1111, 111-6	59
1088	Novel isoforms of NADPH-oxidase in cerebral vascular control. 2006 , 111, 928-48	96
1087	Perinatal white matter injury: the changing spectrum of pathology and emerging insights into pathogenetic mechanisms. 2006 , 12, 129-40	246
1086	AUF-1 mediates inhibition by nitric oxide of lipopolysaccharide-induced matrix metalloproteinase-9 expression in cultured astrocytes. 2006 , 84, 360-9	18
1085	Heme oxygenase and cyclooxygenase in the central nervous system: a functional interplay. 2006 , 84, 1385-91	53
1084	Brain cooling causes attenuation of cerebral oxidative stress, systemic inflammation, activated coagulation, and tissue ischemia/injury during heatstroke. 2006 , 26, 210-20	60
1083	Oxidative stress in immature brain after traumatic brain injury. 2006 , 28, 420-31	109
1082	Intracerebral hemorrhage-induced brain injury is aggravated in senescence-accelerated prone mice. 2006 , 37, 216-22	32
1081	Modulation of proline-rich akt substrate survival signaling pathways by oxidative stress in mouse brains after transient focal cerebral ischemia. 2006 , 37, 513-7	26
1080	Oxidative stress: apoptosis in neuronal injury. 2006 , 3, 327-37	217
1079	Modeling oxidative stress in the central nervous system. 2006 , 6, 871-81	32

1078	Long-term effects of experimental intracerebral hemorrhage: the role of iron. 2006 , 104, 305-12	194
1077	Poly(ADP-Ribosyl)ation. 2006 ,	6
1076	15d-prostaglandin J2 protects brain from ischemia-reperfusion injury. 2006 , 26, 481-7	113
1075	NAD ⁺ and NADH in cellular functions and cell death. 2006 , 11, 3129-48	154
1074	Acute Stroke. 2006 ,	
1073	NXY-059: review of neuroprotective potential for acute stroke. 2006 , 40, 461-71	22
1072	Palmitoyl-protein thioesterase-1 deficiency leads to the activation of caspase-9 and contributes to rapid neurodegeneration in INCL. 2006 , 15, 1580-6	50
1071	NXY-059 for acute ischemic stroke. 2006 , 354, 588-600	560
1070	Effects of apple consumption on plasma and erythrocyte antioxidant parameters in elderly subjects. 2007 , 33, 429-37	27
1069	Stroke: Mechanisms of Excitotoxicity and Approaches for Therapy. 2007 ,	
1068	Promoter polymorphisms in the plasma glutathione peroxidase (GPx-3) gene: a novel risk factor for arterial ischemic stroke among young adults and children. 2007 , 38, 41-9	110
1067	Maturation-dependent vulnerability of perinatal white matter in premature birth. 2007 , 38, 724-30	277
1066	Single-walled carbon nanotubes induces oxidative stress in rat lung epithelial cells. 2007 , 7, 2466-72	140
1065	Heat acclimation: a unique model of physiologically mediated global preconditioning against traumatic brain injury. 2007 , 161, 353-63	27
1064	Cerebral Ischemia: Molecular Mechanisms and Protective Therapies. 2007 , 271-279	
1063	Protective effects of NIM811 in transient focal cerebral ischemia suggest involvement of the mitochondrial permeability transition. 2007 , 24, 895-908	38
1062	Effect of edaravone, a free radical scavenger, on ischemic cerebral edema assessed by magnetic resonance imaging. 2007 , 47, 197-201; discussion 201-2	16
1061	Improvement of postischemic dopaminergic dysfunction by edaravone, a free radical scavenger. 2007 , 104, 99-102	4

1060	Hypoglycemic neuronal death is triggered by glucose reperfusion and activation of neuronal NADPH oxidase. 2007 , 117, 910-8	294
1059	Nitric oxide, ischaemia and brain inflammation. 2007 , 35, 1133-7	50
1058	Cerebral White Matter Injury: The Changing Spectrum in Survivors of Preterm Birth. 2007 , 8, e418-e424	3
1057	Human umbilical cord blood-derived CD34+ cells cause attenuation of multiorgan dysfunction during experimental heatstroke. 2007 , 27, 663-71	30
1056	Therapeutic potential of NAD+for neurological diseases. 2007 , 2, 129-132	9
1055	Mechanisms and modulation of neural cell damage induced by oxidative stress. 2007 , 92, 87-92	34
1054	Ca ²⁺ signaling, mitochondria and sensitivity to oxidative stress in aging astrocytes. 2007 , 28, 99-111	50
1053	Prevention of in vitro and in vivo acute ischemic neuronal damage by (2S)-1-(4-amino-2,3,5-trimethylphenoxy)-3-{4-[4-(4-fluorobenzyl) phenyl]-1-piperazinyl}-2-propanol dimethanesulfonate (SUN N8075), a novel neuroprotective agent with antioxidant properties. 2007 , 149, 779-88	9
1052	Reperfusion accelerates acute neuronal death induced by simulated ischemia. 2007 , 206, 280-7	31
1051	Implication of PTEN in production of reactive oxygen species and neuronal death in in vitro models of stroke and Parkinson's disease. 2007 , 50, 507-16	53
1050	The protective effect of fish n-3 fatty acids on cerebral ischemia in rat hippocampus. 2007 , 50, 548-54	87
1049	Neuroprotective effects of short peptides derived from the Insulin-like growth factor 1. 2007 , 51, 451-8	27
1048	NADPH oxidase inhibition improves neurological outcomes in surgically-induced brain injury. 2007 , 414, 228-32	53
1047	Mild hypothermia diminishes oxidative DNA damage and pro-death signaling events after cerebral ischemia: a mechanism for neuroprotection. 2007 , 12, 1737-47	71
1046	Oxidative stress and ischemic injuries in heat stroke. 2007 , 162, 525-46	48
1045	Effect of NXY-059, a novel neuroprotectant, on the pharmacokinetics of a single dose of digoxin in healthy subjects. 2007 , 23, 1531-9	
1044	Investigating the free radical trapping ability of NXY-059, S-PBN and PBN. 2007 , 41, 1047-52	20
1043	Matrix Metalloproteinases and Tissue Plasminogen Activator Reperfusion Therapy for Stroke. 2007 , 269-286	

1042	Postanoxic damage of microglial cells is mediated by xanthine oxidase and cyclooxygenase. 2007 , 41, 145-52		8
1041	<i>Panax ginseng</i> increases hypoxia-induced down-regulated cellular response related genes in human neuroblastoma cells, SK-N-MC. 2007 , 29 Suppl 1, S78-87		20
1040	Influence of hyperglycemia on oxidative stress and matrix metalloproteinase-9 activation after focal cerebral ischemia/reperfusion in rats: relation to blood-brain barrier dysfunction. 2007 , 38, 1044-9		232
1039	Activities of endogenous antioxidant enzymes in the cerebrospinal fluid and the hippocampus after transient forebrain ischemia in rat. 2007 , 253, 61-5		17
1038	Subcellular stress response after traumatic brain injury. 2007 , 24, 599-612		37
1037	Intranasal administration of a PARG inhibitor profoundly decreases ischemic brain injury. 2007 , 12, 4986-96		27
1036	Effects of olfactory ensheathing cells on hydrogen peroxide-induced apoptosis in cultured dorsal root ganglion neurons. 2007 , 120, 1438-1443		5
1035	Cyclooxygenase-2 does not contribute to postischemic production of reactive oxygen species. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 545-51	7-3	79
1034	General versus specific actions of mild-moderate hypothermia in attenuating cerebral ischemic damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2007 , 27, 1879-94	7-3	138
1033	The roles of NADPH oxidase and phospholipases A2 in oxidative and inflammatory responses in neurodegenerative diseases. 2007 , 103, 1-16		62
1032	Long-term morphological and functional evaluation of the neuroprotective effects of post-ischemic treatment with melatonin in rats. 2007 , 42, 138-46		38
1031	CREB and cAMP response element-mediated gene expression in the ischemic brain. 2007 , 274, 3210-7		158
1030	Protective effect of protopine on the focal cerebral ischaemic injury in rats. 2007 , 101, 85-9		26
1029	Neuroprotective effects of PMC, a potent alpha-tocopherol derivative, in brain ischemia-reperfusion: reduced neutrophil activation and anti-oxidant actions. 2007 , 73, 682-93		31
1028	Diphenylethylidenehydrazide and dimethylsulfoxide for treatment of reperfusion injury in cerebral ischemia of the rat. 2007 , 1132, 210-7		50
1027	Neuron death and inflammation in a rat model of intracerebral hemorrhage: effects of delayed minocycline treatment. 2007 , 1136, 208-18		85
1026	Effects of crocin on reperfusion-induced oxidative/nitrative injury to cerebral microvessels after global cerebral ischemia. 2007 , 1138, 86-94		193
1025	A novel inhibitor of advanced glycation and endoplasmic reticulum stress reduces infarct volume in rat focal cerebral ischemia. 2007 , 1183, 124-37		24

1024	Molecular targets in cerebral ischemia for developing novel therapeutics. 2007 , 54, 34-66	563
1023	Role of Nrf2 in protection against intracerebral hemorrhage injury in mice. 2007 , 43, 408-14	168
1022	Ethanol preconditioning protects against ischemia/reperfusion-induced brain damage: role of NADPH oxidase-derived ROS. 2007 , 43, 1048-60	87
1021	Pretreatment with eplerenone reduces stroke volume in mouse middle cerebral artery occlusion model. 2007 , 566, 153-9	32
1020	Hyperbaric oxygen improves survival in heatstroke rats by reducing multiorgan dysfunction and brain oxidative stress. 2007 , 569, 94-102	20
1019	Oral administration of avocado soybean unsaponifiables (ASU) reduces ischemic damage in the rat hippocampus. 2007 , 38, 489-94	16
1018	The inflammatory response in stroke. 2007 , 184, 53-68	915
1017	Oral administration of Antioxidant Biofactor (AOBtrade mark) ameliorates ischemia/reperfusion-induced neuronal death in the gerbil. 2007 , 29, 113-21	7
1016	Edaravone neuroprotection effected by suppressing the gene expression of the Fas signal pathway following transient focal ischemia in rats. 2007 , 12, 155-62	27
1015	Some new prospects in the understanding of the molecular basis of the pathogenesis of stroke. 2007 , 182, 1-10	77
1014	Immunohistochemical study on distribution of NF-kappaB and p53 in gerbil hippocampus after transient cerebral ischemia: effect of pitavastatin. 2007 , 22, 89-104	21
1013	Oxidative stress alters physiological and morphological neuronal properties. 2007 , 32, 1169-78	7
1012	Soluble neuroprotective antioxidant uric acid analogs ameliorate ischemic brain injury in mice. 2007 , 9, 315-23	40
1011	Time-dependent changes of lipid peroxidation and antioxidative status in nerve tissues of hens treated with tri-ortho-cresyl phosphate (TOCP). 2007 , 239, 45-52	27
1010	Curcuma oil: reduces early accumulation of oxidative product and is anti-apoptogenic in transient focal ischemia in rat brain. 2008 , 33, 1672-82	66
1009	Neuroprotection in cerebral ischemia: emphasis on the SAINT trial. 2008 , 10, 37-42	25
1008	Botanical phenolics and brain health. 2008 , 10, 259-74	151
1007	Role of PACAP in ischemic neural death. 2008 , 36, 16-25	98

1006	Molecular mechanisms of apoptosis in cerebral ischemia: multiple neuroprotective opportunities. 2008 , 37, 7-38			215
1005	The protective effect of fish n-3 fatty acids on cerebral ischemia in rat prefrontal cortex. 2008 , 29, 147-52			42
1004	Post-conditioning exacerbates the MnSOD immune-reactivity after experimental cerebral global ischemia and reperfusion in the rat brain hippocampus. 2008 , 32, 128-35			15
1003	NAD ⁺ /NADH and NADP ⁺ /NADPH in cellular functions and cell death: regulation and biological consequences. 2008 , 10, 179-206			963
1002	Melatonin and ischemia-reperfusion injury of the brain. 2008 , 45, 1-7			71
1001	Melatonin decreases matrix metalloproteinase-9 activation and expression and attenuates reperfusion-induced hemorrhage following transient focal cerebral ischemia in rats. 2008 , 45, 459-67			42
1000	Delta 2-specific opioid receptor agonist and hibernating woodchuck plasma fraction provide ischemic neuroprotection. 2008 , 15, 250-7			27
999	Transduced human PEP-1-heat shock protein 27 efficiently protects against brain ischemic insult. 2008 , 275, 1296-308			71
998	Pharmacological approaches to acute ischaemic stroke: reperfusion certainly, neuroprotection possibly. 2008 , 153 Suppl 1, S325-38			130
997	Experimental models, neurovascular mechanisms and translational issues in stroke research. 2008 , 153 Suppl 1, S396-405			86
996	Cerebral blood flow heterogeneity in preterm sheep: lack of physiologic support for vascular boundary zones in fetal cerebral white matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 995-1008	7-3		52
995	Endogenous melatonin increases in cerebrospinal fluid of patients after severe traumatic brain injury and correlates with oxidative stress and metabolic disarray. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2008 , 28, 684-96	7-3		74
994	Activation of brain protein phosphatase-1(l) following cardiac arrest and resuscitation involving an interaction with 14-3-3 gamma. 2008 , 105, 2029-38			7
993	Cerebral ischemia/stroke and small ubiquitin-like modifier (SUMO) conjugation--a new target for therapeutic intervention?. 2008 , 106, 989-99			49
992	Normobaric hyperoxia inhibits NADPH oxidase-mediated matrix metalloproteinase-9 induction in cerebral microvessels in experimental stroke. 2008 , 107, 1196-205			86
991	Systemic administration of Zn ²⁺ during the reperfusion phase of transient cerebral ischaemia protects rat hippocampus against iron-catalysed postischaemic injury. 2008 , 35, 775-81			10
990	PPARgamma agonist pioglitazone reduces [corrected] neuronal cell damage after transient global cerebral ischemia through matrix metalloproteinase inhibition. 2008 , 27, 334-42			22
989	Neuroglobin protects PC12 cells against oxidative stress. 2008 , 1190, 159-66			87

988	The influence of dexmedetomidine on ischemic rat hippocampus. 2008 , 1218, 250-6	63
987	Bioavailability of apocynin through its conversion to glycoconjugate but not to diapocynin. 2008 , 15, 496-503	51
986	TLR-4 deficiency protects against focal cerebral ischemia and axotomy-induced neurodegeneration. 2008 , 31, 33-40	137
985	Blood-brain barrier tight junction permeability and ischemic stroke. 2008 , 32, 200-19	678
984	PPARs as new therapeutic targets for the treatment of cerebral ischemia/reperfusion injury. 2008 , 2, 179-97	61
983	Catalpol protects primary cultured astrocytes from in vitro ischemia-induced damage. 2008 , 26, 309-17	58
982	Co-application of ischemic preconditioning and postconditioning provides additive neuroprotection against spinal cord ischemia in rabbits. 2008 , 82, 608-14	7
981	Neuroprotective effects of berberine on stroke models in vitro and in vivo. 2008 , 447, 31-6	129
980	Neuroprotection for ischemic stroke: past, present and future. 2008 , 55, 363-89	580
979	Regulation of cerebral vasculature in normal and ischemic brain. 2008 , 55, 281-8	104
978	Sulfhydryl oxidation: a potential strategy to achieve neuroprotection during severe hypoxia?. 2008 , 152, 903-12	7
977	The injured nervous system: a Darwinian perspective. 2008 , 86, 48-59	51
976	Molecular mechanism for neuro-protective effect of prosaposin against oxidative stress: its regulation of dimeric transcription factor formation. 2008 , 1780, 1441-7	20
975	Examination of static and 50 Hz electric field effects on tissues by using a hybrid genetic algorithm and neural network. 2008 , 25, 349-366	4
974	Management of brain injury after resuscitation from cardiac arrest. 2008 , 26, 487-506, ix	98
973	The ischemic cascade and mediators of ischemic injury. 2009 , 92, 31-41	15
972	Reperfusion injury after stroke: neurovascular proteases and the blood-brain barrier. 2009 , 92, 117-36	10
971	Cerebral vascular dysregulation in the ischemic brain. 2009 , 92, 283-305	55

970	ABCC1: a gateway for pharmacological compounds to the ischaemic brain. 2008 , 131, 2679-89	54
969	Role of promoter polymorphisms in the plasma glutathione peroxidase (GPx-3) gene as a risk factor for cerebral venous thrombosis. 2008 , 39, 303-7	56
968	Temporary pretreatment with the angiotensin II type 1 receptor blocker, valsartan, prevents ischemic brain damage through an increase in capillary density. 2008 , 39, 2029-36	39
967	Induction of mmp-9 expression and endothelial injury by oxidative stress after spinal cord injury. 2008 , 25, 184-95	98
966	Neuroprotection via matrix-trophic coupling between cerebral endothelial cells and neurons. 2008 , 105, 7582-7	201
965	Free radical production in CA1 neurons induces MIP-1alpha expression, microglia recruitment, and delayed neuronal death after transient forebrain ischemia. 2008 , 28, 1721-7	48
964	Ginkgo biloba extract neuroprotective action is dependent on heme oxygenase 1 in ischemic reperfusion brain injury. 2008 , 39, 3389-96	128
963	Effects of neuroglobin overexpression on acute brain injury and long-term outcomes after focal cerebral ischemia. 2008 , 39, 1869-74	125
962	Cellular NAD replenishment confers marked neuroprotection against ischemic cell death: role of enhanced DNA repair. 2008 , 39, 2587-95	95
961	Human umbilical cord blood-derived CD34+ cells can be used as a prophylactic agent for experimental heatstroke. 2008 , 106, 46-55	9
960	Protective effects of ginsenoside Rd on PC12 cells against hydrogen peroxide. 2008 , 31, 1923-7	58
959	Neuroprotective effect of Sanguisorbae radix against oxidative stress-induced brain damage: in vitro and in vivo. 2008 , 31, 2028-35	50
958	Pharmacology of traumatic brain injury: where is the "golden bullet"?. 2008 , 14, 731-40	172
957	Water extract of samultang reduces apoptotic cell death by h(2)o(2)-induced oxidative injury in sk-N-mc cells. 2009 , 13, 139-45	4
956	Mechanistic insight into neurotoxicity of tissue plasminogen activator-induced thrombolysis products in a rat intraluminal middle cerebral artery occlusion model. 2009 , 26, 1577-84	4
955	Regulation of Mn-superoxide dismutase activity and neuroprotection by STAT3 in mice after cerebral ischemia. 2009 , 29, 7003-14	124
954	Does inflammation after stroke affect the developing brain differently than adult brain?. 2009 , 31, 378-93	91
953	Mitochondrial reactive oxygen species production in excitable cells: modulators of mitochondrial and cell function. 2009 , 11, 1373-414	346

952	Linking binge alcohol-induced neurodamage to brain edema and potential aquaporin-4 upregulation: evidence in rat organotypic brain slice cultures and in vivo. 2009 , 26, 261-73	33
951	Neuroprotective roles and mechanisms of neuroglobin. 2009 , 31, 122-7	44
950	Exaggeration of focal cerebral ischemia in transgenic mice carrying human Renin and human angiotensinogen genes. 2009 , 40, 597-603	43
949	Quetiapine regulates neurogenesis in ischemic mice by inhibiting NF-kappaB p65/p50 expression. 2009 , 31, 159-66	27
948	Neuroinflammation and neuroprotective strategies in acute ischaemic stroke - from bench to bedside. 2009 , 9, 336-54	46
947	Intraoperative hypothermia during vascular neurosurgical procedures. 2009 , 26, E24	13
946	Edaravone, a free radical scavenger, inhibits MMP-9-related brain hemorrhage in rats treated with tissue plasminogen activator. 2009 , 40, 626-31	119
945	Oxygen therapy in acute ischemic stroke - experimental efficacy and molecular mechanisms. 2009 , 9, 227-41	42
944	Respiratory Hypoxia and Oxidative Stress in the Brain. Is the Endogenous Erythropoietin an Antioxidant?. 2009 , 3, 238-252	
943	Glucose blood levels as a therapeutic target in acute ischaemic stroke setting. 2009 , 9, 1261-77	3
942	Protective effects of scutellarin against cerebral ischemia in rats: evidence for inhibition of the apoptosis-inducing factor pathway. 2009 , 75, 121-6	57
941	Cannabinoids, multiple sclerosis and neuroprotection. 2009 , 2, 645-60	11
940	Stroke: Injury Mechanisms. 2009 , 579-585	
939	Neuronal PPARgamma deficiency increases susceptibility to brain damage after cerebral ischemia. 2009 , 29, 6186-95	133
938	Existence of the diffusion-perfusion mismatch within 24 hours after onset of acute stroke: dependence on proximal arterial occlusion. 2009 , 250, 878-86	81
937	Therapeutic targets and limits of minocycline neuroprotection in experimental ischemic stroke. 2009 , 10, 126	108
936	A novel conjugate of low-molecular-weight heparin and Cu,Zn-superoxide dismutase: study on its mechanism in preventing brain reperfusion injury after ischemia in gerbils. 2009 , 1260, 76-83	7
935	The adenoviral vector-mediated increase in apurinic/apyrimidinic endonuclease inhibits the induction of neuronal cell death after transient ischemic stroke in mice. 2009 , 1274, 1-10	14

934	Curcumin upregulates transcription factor Nrf2, HO-1 expression and protects rat brains against focal ischemia. 2009 , 1282, 133-41	351
933	Importance of NOX1 for angiotensin II-induced cerebrovascular superoxide production and cortical infarct volume following ischemic stroke. 2009 , 1286, 215-20	66
932	Remarkable increase in 3-nitrotyrosine in the cerebrospinal fluid in patients with lacunar stroke. 2009 , 1305, 132-6	9
931	Transduced human PEP-1-catalase fusion protein attenuates ischemic neuronal damage. 2009 , 47, 941-52	35
930	Neurotoxic lipid peroxidation species formed by ischemic stroke increase injury. 2009 , 47, 1422-31	29
929	Effects of neuroglobin overexpression on mitochondrial function and oxidative stress following hypoxia/reoxygenation in cultured neurons. 2009 , 87, 164-70	106
928	Oxidative stress disrupts oligodendrocyte maturation. 2009 , 87, 3076-87	130
927	Tissue kallikrein alleviates glutamate-induced neurotoxicity by activating ERK1. 2009 , 87, 3576-90	22
926	Protective effects of peroxisome proliferator-activated receptors gamma coactivator-1alpha against neuronal cell death in the hippocampal CA1 subfield after transient global ischemia. 2010 , 88, 605-13	46
925	Alzheimer's mechanisms in ischemic brain degeneration. 2009 , 292, 1863-81	73
924	H ₂ O ₂ -mediated modulation of cytosolic signaling and organelle function in rat hippocampus. 2009 , 458, 937-52	44
923	Alterations of oxidative stress markers and apoptosis markers in the striatum after transient focal cerebral ischemia in rats. 2009 , 116, 395-404	45
922	Protective effect of salidroside against H ₂ O ₂ -induced cell apoptosis in primary culture of rat hippocampal neurons. 2009 , 332, 85-93	76
921	Therapeutic strategy for ischemic stroke. 2009 , 34, 707-10	12
920	Lipid peroxidation was involved in the memory impairment of carbon monoxide-induced delayed neuron damage. 2009 , 34, 1293-8	40
919	Mitochondrial calcium transport and mitochondrial dysfunction after global brain ischemia in rat hippocampus. 2009 , 34, 1469-78	48
918	Glial damage after transient focal cerebral ischemia in rats. 2009 , 38, 220-6	10
917	Anti-ischemic activities of aralia cordata and its active component, oleanolic acid. 2009 , 32, 923-32	18

916	Safflor yellow B suppresses pheochromocytoma cell (PC12) injury induced by oxidative stress via antioxidant system and Bcl-2 /Bax pathway. 2009 , 380, 135-42		27
915	Neuroprotective effects of Tanshinone IIA on permanent focal cerebral ischemia in mice. 2009 , 23, 608-13		64
914	Neuroprotective mechanisms of puerarin in middle cerebral artery occlusion-induced brain infarction in rats. 2009 , 16, 9		81
913	Overexpression of mitochondrial Hsp70/Hsp75 in rat brain protects mitochondria, reduces oxidative stress, and protects from focal ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 365-74	7-3	124
912	Dissociation and protection of the neurovascular unit after thrombolysis and reperfusion in ischemic rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 715-25	7-3	143
911	Brain Poster Session: Oxidative Mechanisms. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, S455-S466	7-3	2
910	Inhibition of NADPH oxidase is neuroprotective after ischemia-reperfusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2009 , 29, 1262-72	7-3	241
909	Protection against cell death and sustained tyrosine hydroxylase phosphorylation in hydrogen peroxide- and MPP-treated human neuroblastoma cells with melatonin. 2009 , 46, 36-42		9
908	Melatonin improves presynaptic protein, SNAP-25, expression and dendritic spine density and enhances functional and electrophysiological recovery following transient focal cerebral ischemia in rats. 2009 , 47, 260-70		30
907	Oxidative stress and its role in the pathogenesis of ischaemic stroke. 2009 , 4, 461-70		577
906	Reduction of cerebral infarct volume by apocynin requires pretreatment and is absent in Nox2-deficient mice. 2009 , 156, 680-8		108
905	AMPK in the brain: its roles in energy balance and neuroprotection. 2009 , 109 Suppl 1, 17-23		214
904	Role of neuroglobin in regulating reactive oxygen species in the brain of the anoxia-tolerant turtle <i>Trachemys scripta</i> . 2009 , 110, 603-12		26
903	Oral administration of grape polyphenol extract ameliorates cerebral ischemia/reperfusion-induced neuronal damage and behavioral deficits in gerbils: comparison of pre- and post-ischemic administration. 2009 , 20, 369-77		26
902	Panax ginseng protects against global ischemia injury in rat hippocampus. 2009 , 12, 71-6		25
901	TLR4-mediated MyD88-dependent signaling pathway is activated by cerebral ischemia-reperfusion in cortex in mice. 2009 , 63, 442-50		40
900	Therapeutic window for cinnamophilin following oxygen-glucose deprivation and transient focal cerebral ischemia. 2009 , 217, 74-83		31
899	Tissue kallikrein protects cortical neurons against in vitro ischemia-acidosis/reperfusion-induced injury through the ERK1/2 pathway. 2009 , 219, 453-65		38

898	Protection of PC12 cells from chemical ischemia induced oxidative stress by <i>Fagonia arabica</i> . 2009 , 47, 2689-95	26
897	The complexity of neurobiological processes in acute ischemic stroke. 2009 , 111, 483-95	361
896	p62 protects SH-SY5Y neuroblastoma cells against H ₂ O ₂ -induced injury through the PDK1/Akt pathway. 2009 , 450, 45-50	32
895	Hyperglycemia-enhanced ischemic brain damage in mutant manganese SOD mice is associated with suppression of HIF-1 α . 2009 , 456, 89-92	11
894	Macrophage inflammatory protein-3 α plays a key role in the inflammatory cascade in rat focal cerebral ischemia. 2009 , 64, 75-82	47
893	Reduction of lipoxidative load by secretory phospholipase A2 inhibition protects against neurovascular injury following experimental stroke in rat. 2009 , 6, 21	32
892	Protective effect of augments of liver regeneration on hydrogen peroxide-induced apoptosis in SH-SY5Y human neuroblastoma cells. 2009 , 43, 865-75	31
891	Ascorbic acid combined with ibuprofen in hypoxic ischemic encephalopathy: a randomized controlled trial. 2009 , 29, 438-43	17
890	Carnosine attenuates oxidative stress and apoptosis in transient cerebral ischemia in rats. 2009 , 60, 137-48	35
889	Implications of Stroke Pathophysiology and the Ischemic Penumbra. 2009 , 24-36	
888	Toll-like receptor 4-mediated myeloid differentiation factor 88-dependent signaling pathway is activated by cerebral ischemia-reperfusion in hippocampal CA1 region in mice. 2009 , 32, 1665-71	27
887	<i>Aralia cordata</i> protects against amyloid beta protein (25-35)-induced neurotoxicity in cultured neurons and has antidementia activities in mice. 2009 , 111, 22-32	39
886	Gene and stem cell therapy in ischemic stroke. 2009 , 18, 999-1002	26
885	Roles of NAD(+) / NADH and NADP(+) / NADPH in cell death. 2009 , 15, 12-9	53
884	Small-volume d-hydroxybutyrate solution infusion increases survivability of lethal hemorrhagic shock in rats. 2010 , 34, 565-72	22
883	Methylene blue protects the cortical blood-brain barrier against ischemia/reperfusion-induced disruptions. 2010 , 38, 2199-206	62
882	Cyanine dyes attenuate cerebral ischemia and reperfusion injury in rats. 2010 , 33, 1872-7	5
881	Neuroprotective effects of leonurine on ischemia/reperfusion-induced mitochondrial dysfunctions in rat cerebral cortex. 2010 , 33, 1958-64	67

880	High osmolar contrast medium causes mild oxidation in liver, bladder, and ovary tissues from rats: vitamin C has protective role. 2010 , 19, 515-523	1
879	Detection of free radicals by isolated perfusion of the rat brain following hemorrhagic stroke: a novel approach to cerebrovascular biomarker research. 2010 , 206, 311-7	7
878	Prostaglandin D2 DP1 receptor is beneficial in ischemic stroke and in acute excitotoxicity in young and old mice. 2010 , 32, 271-82	26
877	Brain endothelial cell death: modes, signaling pathways, and relevance to neural development, homeostasis, and disease. 2010 , 42, 52-63	59
876	MK-801 effect on regional cerebral oxidative stress rate induced by different duration of global ischemia in gerbils. 2010 , 342, 35-50	12
875	Blocking TRAIL-DR5 signaling with soluble DR5 reduces delayed neuronal damage after transient global cerebral ischemia. 2010 , 39, 138-47	28
874	Baicalein is neuroprotective in rat MCAO model: role of 12/15-lipoxygenase, mitogen-activated protein kinase and cytosolic phospholipase A2. 2010 , 96, 469-75	76
873	Catalpol inhibits apoptosis in hydrogen peroxide-induced endothelium by activating the PI3K/Akt signaling pathway and modulating expression of Bcl-2 and Bax. 2010 , 628, 155-63	66
872	Edaravone, a free radical scavenger, protects components of the neurovascular unit against oxidative stress in vitro. 2010 , 1307, 22-7	57
871	Changes in pro-oxidant and antioxidant enzyme levels during cerebral hypoperfusion in rats. 2010 , 1321, 13-9	25
870	Tanshinone II A down-regulates HMGB1, RAGE, TLR4, NF-kappaB expression, ameliorates BBB permeability and endothelial cell function, and protects rat brains against focal ischemia. 2010 , 1321, 143-51	97
869	Acetaminophen reduces mitochondrial dysfunction during early cerebral postischemic reperfusion in rats. 2010 , 1319, 142-54	23
868	Neuroprotective effect of astaxanthin on H(2)O(2)-induced neurotoxicity in vitro and on focal cerebral ischemia in vivo. 2010 , 1360, 40-8	85
867	Sesamin attenuates behavioral, biochemical and histological alterations induced by reversible middle cerebral artery occlusion in the rats. 2010 , 183, 255-63	57
866	Transduced Tat-SAG fusion protein protects against oxidative stress and brain ischemic insult. 2010 , 48, 969-77	35
865	Activation of calcium/calmodulin-dependent protein kinase IV and peroxisome proliferator-activated receptor α coactivator-1 β signaling pathway protects against neuronal injury and promotes mitochondrial biogenesis in the hippocampal CA1 subfield after transient global ischemia. 2010 , 88, 3144-54	40
864	Measurement of selected ions related to oxidative stress and energy metabolism in Saudi autistic children. 2010 , 43, 63-70	42
863	Pharmacological effects of Salvia miltiorrhiza (Danshen) on cerebral infarction. 2010 , 5, 22	51

862	Effects of Sophora japonica flowers (Huaihua) on cerebral infarction. 2010 , 5, 34		24
861	The adaptor protein SH2B1 reduces hydrogen peroxide-induced cell death in PC12 cells and hippocampal neurons. 2010 , 5, 17		13
860	Microsomal prostaglandin E synthase-1 and cyclooxygenase-2 are both required for ischaemic excitotoxicity. 2010 , 159, 1174-86		27
859	The cyclooxygenase site, but not the peroxidase site of cyclooxygenase-2 is required for neurotoxicity in hypoxic and ischemic injury. 2010 , 113, 965-77		23
858	mGluR1 antagonist decreased NADPH oxidase activity and superoxide production after transient focal cerebral ischemia. 2010 , 114, 1711-9		13
857	Melatonin inhibits postischemic matrix metalloproteinase-9 (MMP-9) activation via dual modulation of plasminogen/plasmin system and endogenous MMP inhibitor in mice subjected to transient focal cerebral ischemia. 2010 , 49, 332-41		50
856	Iron and early brain injury after subarachnoid hemorrhage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1791-2	7-3	15
855	Oxygen-sensitive outcomes and gene expression in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1275-87	7-3	39
854	Neuroglobin protects neurons against oxidative stress in global ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2010 , 30, 1874-82	7-3	77
853	Inflammation in ischaemic brain injury: current advances and future perspectives. 2010 , 37, 253-8		57
852	Sex differences in cerebral injury after severe haemorrhage and ventricular fibrillation in pigs. 2010 , 54, 343-53		18
851	Treatment with nasal neuro-EPO improves the neurological, cognitive, and histological state in a gerbil model of focal ischemia. 2010 , 10, 2288-300		28
850	Neuroprotective effects of consuming bovine colostrum after focal brain ischemia/reperfusion injury in rat model. 2010 , 4, 196-202		11
849	Physical interaction of Jab1 with human serotonin 6 G-protein-coupled receptor and their possible roles in cell survival. 2010 , 285, 10016-10029		45
848	Effects of mobile phone use on brain tissue from the rat and a possible protective role of vitamin C - a preliminary study. 2010 , 86, 1044-9		15
847	Activation of microglia depends on Na ⁺ /H ⁺ exchange-mediated H ⁺ homeostasis. 2010 , 30, 15210-20		63
846	Oxidative stress and NAD ⁺ in ischemic brain injury: current advances and future perspectives. 2010 , 17, 2152-8		44
845	Potential therapeutic benefits of strategies directed to mitochondria. 2010 , 13, 279-347		139

- 844 Zizyphus attenuates ischemic damage in the gerbil hippocampus via its antioxidant effect. **2010**, 13, 557-63 37
- 843 The novel radical scavenger IAC is effective in preventing and protecting against post-ischemic brain damage in Mongolian gerbils. **2010**, 290, 90-5 13
- 842 Transforming growth factor- β induces matrix metalloproteinase-9 and cell migration in astrocytes: roles of ROS-dependent ERK- and JNK-NF- κ B pathways. **2010**, 7, 88 127
- 841 Effect of dipyridamole during acute stroke: exploring antithrombosis and neuroprotective benefits. **2010**, 1207, 71-5 10
- 840 Effect of polysaccharides of the *Euphoria longan* (Lour.) Steud on inflammatory response induced by focal cerebral ischemia/reperfusion injury in rats. **2010**, 21, 219-225 2
- 839 Reactive Oxygen Species-Dependent c-Fos/Activator Protein 1 Induction Upregulates Heme Oxygenase-1 Expression by Bradykinin in Brain Astrocytes. **2010**, 13, 1829-44 56
- 838 Neuroprotective effect of *Artemisia absinthium* L. on focal ischemia and reperfusion-induced cerebral injury. **2010**, 129, 403-9 70
- 837 Nitric oxide mechanism in the protective effect of naringin against post-stroke depression (PSD) in mice. **2010**, 86, 928-35 44
- 836 Neuroprotective effect of morroniside on focal cerebral ischemia in rats. **2010**, 83, 196-201 91
- 835 Mitochondrial and apoptotic neuronal death signaling pathways in cerebral ischemia. **2010**, 1802, 92-9 237
- 834 The science of stroke: mechanisms in search of treatments. **2010**, 67, 181-98 1329
- 833 Icariin protects against brain injury by enhancing SIRT1-dependent PGC-1 α expression in experimental stroke. **2010**, 59, 70-6 97
- 832 Mastication overload causes an increase in O $_2$ - production into the subnucleus oralis of the spinal trigeminal nucleus. **2010**, 166, 416-21 26
- 831 Lifelong protection from global cerebral ischemia and reperfusion in long-lived Mcl1(+/-)(-) mutants. **2010**, 223, 557-65 11
- 830 Effects of *Alchornea cordifolia* on elastase and superoxide anion produced by human neutrophils. **2010**, 48, 128-33 11
- 829 The protective effect of avocado soybean unsaponifiables on brain ischemia/reperfusion injury in rat prefrontal cortex. **2011**, 25, 701-6 8
- 828 Modulation of ischemia-induced NMDAR1 activation by environmental enrichment decreases oxidative damage. **2011**, 28, 2485-92 24
- 827 C-terminus of heat shock cognate 70 interacting protein increases following stroke and impairs survival against acute oxidative stress. **2011**, 14, 1787-801 25

826	Potential Preventive Effects of Coenzyme Q and Creatine Supplementation on Brain Energy Metabolism in Rats Exposed to Chronic Cerebral Hypoperfusion. 2011 , 2033-2048		
825	How to repair an ischemic brain injury? Value of experimental models in search of answers. 2011 , 26, 65-73		
824	Oxidative stress and blood-brain barrier dysfunction under particular consideration of matrix metalloproteinases. 2011 , 15, 1305-23		106
823	Dynamic, semi-quantitative imaging of intracellular ROS levels and redox status in rat hippocampal neurons. 2011 , 54, 2590-602		26
822	Roles of oxidative stress, apoptosis, PGC-1 β and mitochondrial biogenesis in cerebral ischemia. <i>International Journal of Molecular Sciences</i> , 2011 , 12, 7199-215	6.3	226
821	Ischemic Stroke: Basic Pathophysiology and Neuroprotective Strategies. 2011 , 1-24		3
820	Oxidative stress in ischemic brain damage: mechanisms of cell death and potential molecular targets for neuroprotection. 2011 , 14, 1505-17		523
819	Apocynin may limit total cell death following cerebral ischemia and reperfusion by enhancing apoptosis. 2011 , 49, 3063-9		25
818	The anti-inflammatory effects of D-allose contribute to attenuation of cerebral ischemia-reperfusion injury. 2011 , 76, 911-3		23
817	Ginsenoside Rg1 protects against hydrogen peroxide-induced cell death in PC12 cells via inhibiting NF- κ B activation. 2011 , 58, 119-25		125
816	Glutamate antagonism fails to reverse mitochondrial dysfunction in late phase of experimental neonatal asphyxia in rats. 2011 , 58, 582-90		7
815	Spatial and temporal patterns of oxidative stress in the brain of gerbils submitted to different duration of global cerebral ischemia. 2011 , 29, 645-54		27
814	Cerebral reactive oxygen species assessed by electron spin resonance spectroscopy in the initial stage of ischemia-reperfusion are not associated with hypothermic neuroprotection. 2011 , 18, 545-8		12
813	Traditional Chinese medicine, Xue-Fu-Zhu-Yu decoction, potentiates tissue plasminogen activator against thromboembolic stroke in rats. 2011 , 134, 824-30		48
812	Effect of ginkgolide B on striatal extracellular amino acids in middle cerebral artery occluded rats. 2011 , 136, 117-22		29
811	Protective effects of MLIF analogs on cerebral ischemia-reperfusion injury in rats. 2011 , 32, 1047-54		16
810	Edaravone alleviates delayed neuronal death and long-dated cognitive dysfunction of hippocampus after transient focal ischemia in Wistar rat brains. 2011 , 182, 177-83		31
809	Status epilepticus stimulates peroxisome proliferator-activated receptor γ coactivator 1 β /mitochondrial antioxidant system pathway by a nitric oxide-dependent mechanism. 2011 , 186, 128-34		7

808	Inflammatory Mechanisms in Ischemic Cerebrovascular Disease. 2011 , 293-324		1
807	Interaction of free radicals, matrix metalloproteinases and caveolin-1 impacts blood-brain barrier permeability. 2011 , 3, 1216-31		105
806	Molecular mechanisms underlying hypothermia-induced neuroprotection. 2010 , 2011, 809874		11
805	Apoptosis and Related Mechanisms in Cerebral Ischemia. 2011 , 107-121		
804	Improved behavioral outcomes after progesterone administration in aged male rats with traumatic brain injury. 2011 , 29, 61-71		34
803	Probucol attenuates oxidative stress, energy starvation, and nitric acid production following transient forebrain ischemia in the rat hippocampus. 2011 , 2011, 471590		10
802	Oxidative stress and endothelial dysfunction in cerebrovascular disease. 2011 , 16, 1733-45		135
801	Effects of tetrahydrobiopterin on cerebral infarction after transient focal ischemia in rats. 2011 , 33, 1064-7		4
800	The neuroprotection of oxymatrine in cerebral ischemia/reperfusion is related to nuclear factor erythroid 2-related factor 2 (nrf2)-mediated antioxidant response: role of nrf2 and hemeoxygenase-1 expression. 2011 , 34, 595-601		58
799	Cerebroprotective activity of <i>Wedelia calendulacea</i> on global cerebral ischemia in rats. 2011 , 62, 361-75		4
798	Oxygen-glucose deprivation and interleukin-1 β trigger the release of perlecan LG3 by cells of neurovascular unit. 2011 , 119, 760-71		26
797	Role of angiotensin II receptor subtype activation in cognitive function and ischaemic brain damage. 2011 , 163, 1122-30		46
796	Endocannabinoids and traumatic brain injury. 2011 , 163, 1402-10		105
795	Inflammation and depression: why poststroke depression may be the norm and not the exception. 2011 , 6, 128-35		65
794	The pathophysiology of heat stroke: an integrative view of the final common pathway. 2011 , 21, 742-8		126
793	Evidence that OGG1 glycosylase protects neurons against oxidative DNA damage and cell death under ischemic conditions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 680-92	7-3	84
792	Pathways for ischemic cytoprotection: role of sirtuins in caloric restriction, resveratrol, and ischemic preconditioning. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 1003-19	7-3	104
791	NADPH oxidase is involved in post-ischemic brain inflammation. 2011 , 42, 341-8		96

790	How to repair an ischemic brain injury? Value of experimental models in search of answers. 2011 , 26, 65-73	6
789	Resveratrol prevents oxidative stress and inhibition of Na(+)/K(+)-ATPase activity induced by transient global cerebral ischemia in rats. 2011 , 22, 921-8	66
788	Protective effect of olive leaf extract on hippocampal injury induced by transient global cerebral ischemia and reperfusion in Mongolian gerbils. 2011 , 18, 1137-43	46
787	What you eat is what you are -- a role for polyunsaturated fatty acids in neuroinflammation induced depression?. 2011 , 30, 407-15	18
786	Ischemic insult induced apoptotic changes in PC12 cells: protection by trans resveratrol. 2011 , 666, 5-11	45
785	Effects of acute post-treatment with dipyridamole in a rat model of focal cerebral ischemia. 2011 , 1373, 211-20	22
784	The neuroprotective effects of NMDAR antagonist, ifenprodil and ASIC1a inhibitor, flurbiprofen on post-ischemic cerebral injury. 2011 , 1389, 152-60	21
783	Neuroprotective effects of a novel water-soluble poly(ADP-ribose) polymerase-1 inhibitor, MP-124, in in vitro and in vivo models of cerebral ischemia. 2011 , 1389, 169-76	19
782	Apoptosis signal-regulating kinase 1 (Ask1) targeted small interfering RNA on ischemic neuronal cell death. 2011 , 1412, 73-8	27
781	Hesperidin ameliorates functional and histological outcome and reduces neuroinflammation in experimental stroke. 2011 , 1420, 93-105	88
780	Increases of antioxidants are related to more delayed neuronal death in the hippocampal CA1 region of the young gerbil induced by transient cerebral ischemia. 2011 , 1425, 142-54	25
779	Biochemistry of mobile zinc and nitric oxide revealed by fluorescent sensors. 2011 , 80, 333-55	135
778	NADPH oxidase inhibitors: a patent review. 2011 , 21, 1147-58	59
777	Quercetin protects against oxidative stress associated damages in a rat model of transient focal cerebral ischemia and reperfusion. 2011 , 36, 1360-71	77
776	Extract from Terminalia chebula seeds protect against experimental ischemic neuronal damage via maintaining SODs and BDNF levels. 2011 , 36, 2043-50	45
775	Decreased glutamine synthetase, increased citrulline-nitric oxide cycle activities, and oxidative stress in different regions of brain in epilepsy rat model. 2011 , 67, 105-13	27
774	Anti-inflammatory effects of Chinese medicinal herbs on cerebral ischemia. 2011 , 6, 26	12
773	Pharmacological effects of Radix Angelica Sinensis (Danggui) on cerebral infarction. 2011 , 6, 32	48

772	Normobaric hyperoxia protects the blood brain barrier through inhibiting Nox2 containing NADPH oxidase in ischemic stroke. 2011 , 1, 22		42
771	Neurological and pathological improvements of cerebral infarction in mice with platinum nanoparticles. 2011 , 89, 1125-33		31
770	Toxicity induced by cumene hydroperoxide in PC12 cells: protective role of thiol donors. 2011 , 25, 205-15		13
769	PEP-1-SOD1 protects brain from ischemic insult following asphyxial cardiac arrest in rats. 2011 , 82, 1081-6		16
768	Proteomic temporal profile of human brain endothelium after oxidative stress. 2011 , 42, 37-43		50
767	Peripheral neuropathy in the Twitcher mouse involves the activation of axonal caspase 3. 2011 , 3,		41
766	Neuroprotective actions of flavonoids. 2011 , 18, 1195-212		95
765	Cerebroprotective effect of <i>Ocimum gratissimum</i> against focal ischemia and reperfusion-induced cerebral injury. 2011 , 49, 175-81		14
764	Reduced nicotinamide adenine dinucleotide fluorescence lifetime detected poly(adenosine-5'-diphosphate-ribose) polymerase-1-mediated cell death and therapeutic effect of pyruvate. 2011 , 16, 068001		4
763	Robust protective effects of a novel multimodal neuroprotectant oxopropanoyloxy benzoic acid (a salicylic acid/pyruvate ester) in the postischemic brain. 2011 , 79, 220-8		13
762	Neuroinflammation and cerebrovascular disease in old age: a translational medicine perspective. 2011 , 2011, 857484		25
761	Neuroprotection by the Traditional Chinese Medicine, Tao-Hong-Si-Wu-Tang, against Middle Cerebral Artery Occlusion-Induced Cerebral Ischemia in Rats. <i>Evidence-based Complementary and Alternative Medicine</i> , 2011 , 2011, 803015	2.3	23
760	Protective effect of 20-HETE inhibition in a model of oxygen-glucose deprivation in hippocampal slice cultures. 2012 , 302, H1285-93		31
759	Pharmacological inhibition of TLR4-NOX4 signal protects against neuronal death in transient focal ischemia. 2012 , 2, 896		64
758	Neuroprotection for stroke: current status and future perspectives. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 11753-72	6.3	141
757	UPEI-100, a conjugate of lipoic acid and apocynin, mediates neuroprotection in a rat model of ischemia/reperfusion. 2012 , 302, R886-95		11
756	Neuroprotective effect of cow colostrum and tetramethylpyrazine against global cerebral ischemia reperfusion injury. 2012 , 2, 111		3
755	Protective effects of transduced Tat-DJ-1 protein against oxidative stress and ischemic brain injury. 2012 , 44, 586-93		15

754	Is p53 the long-sought molecular trigger for cyclophilin D-regulated mitochondrial permeability transition pore formation and necrosis?. 2012 , 111, 1258-60	29
753	Mitochondrial ROS-K ⁺ channel signaling pathway regulated secretion of human pulmonary artery endothelial cells. 2012 , 46, 1437-45	13
752	NADPH oxidase in stroke and cerebrovascular disease. 2012 , 34, 338-45	54
751	NOX inhibitors as a therapeutic strategy for stroke and neurodegenerative disease. 2012 , 13, 199-206	27
750	NAD ⁺ metabolism and NAD(+) -dependent enzymes: promising therapeutic targets for neurological diseases. 2012 , 13, 222-9	46
749	Vascular protection to increase the safety of tissue plasminogen activator for stroke. 2012 , 18, 3677-84	17
748	Mn (III) tetrakis (4-benzoic acid) porphyrin protects against neuronal and glial oxidative stress and death after spinal cord injury. 2012 , 11, 774-90	8
747	Neuroprotective activity of lavender oil on transient focal cerebral ischemia in mice. 2012 , 17, 9803-17	51
746	Biomedical Applications of Metal Oxide Nanoparticles. 2012 , 57-100	29
745	The voltage-gated proton channel Hv1 enhances brain damage from ischemic stroke. 2012 , 15, 565-73	165
744	Vascular cognitive impairment and Alzheimer's disease: role of cerebral hypoperfusion and oxidative stress. 2012 , 385, 953-9	47
743	Ocimum sanctum attenuates oxidative damage and neurological deficits following focal cerebral ischemia/reperfusion injury in rats. 2012 , 33, 1239-47	31
742	Bone marrow chimeras in the study of experimental stroke. 2012 , 3, 341-7	6
741	Poppy seed oil protection of the hippocampus after cerebral ischemia and re-perfusion in rats. 2012 , 87, 499-505	2
740	Strong neuroprotection with a novel platinum nanoparticle against ischemic stroke- and tissue plasminogen activator-related brain damages in mice. 2012 , 221, 47-55	66
739	Imaging of stroke: Part 2, Pathophysiology at the molecular and cellular levels and corresponding imaging changes. 2012 , 198, 63-74	49
738	SHPS-1 deficiency induces robust neuroprotection against experimental stroke by attenuating oxidative stress. 2012 , 122, 834-43	28
737	Neural stem cells genetically modified to overexpress cu/zn-superoxide dismutase enhance amelioration of ischemic stroke in mice. 2012 , 43, 2423-9	38

736	Effects of edaravone, a free radical scavenger, on serum levels of inflammatory biomarkers in acute brain infarction. 2012 , 21, 102-7	26
735	Knockdown of glucose-6-phosphate dehydrogenase (G6PD) following cerebral ischemic reperfusion: the pros and cons. 2012 , 61, 146-55	9
734	Co-administration of apocynin with lipoic acid enhances neuroprotection in a rat model of ischemia/reperfusion. 2012 , 507, 43-6	19
733	PEP-1-metallothionein-III protein ameliorates the oxidative stress-induced neuronal cell death and brain ischemic insults. 2012 , 1820, 1647-55	21
732	Polydatin modulates inflammation by decreasing NF- κ B activation and oxidative stress by increasing Gli1, Ptch1, SOD1 expression and ameliorates blood-brain barrier permeability for its neuroprotective effect in pMCAO rat brain. 2012 , 87, 50-9	97
731	Ceria Nanoparticles that can Protect against Ischemic Stroke. 2012 , 124, 11201-11205	37
730	Ceria nanoparticles that can protect against ischemic stroke. 2012 , 51, 11039-43	357
729	NADPH oxidase 2-derived reactive oxygen species signal contributes to bradykinin-induced matrix metalloproteinase-9 expression and cell migration in brain astrocytes. 2012 , 10, 35	51
728	The 1027th target candidate in stroke: Will NADPH oxidase hold up?. 2012 , 4, 11	32
727	Blood-borne macrophage-neural cell interactions hitchhike on endosome networks for cell-based nanozyme brain delivery. 2012 , 7, 815-33	39
726	Suppression of the inflammatory response by diphenyleiiodonium after transient focal cerebral ischemia. 2012 , 123 Suppl 2, 98-107	15
725	Brain infarct volume after permanent focal ischemia is not dependent on Nox2 expression. 2012 , 1483, 105-11	19
724	The protective effect of astrocyte-derived 14,15-epoxyeicosatrienoic acid on hydrogen peroxide-induced cell injury in astrocyte-dopaminergic neuronal cell line co-culture. 2012 , 223, 68-76	33
723	Mitochondrial disturbances, excitotoxicity, neuroinflammation and kynurenines: novel therapeutic strategies for neurodegenerative disorders. 2012 , 322, 187-91	61
722	Modulation of antioxidant enzymes activities and lipid peroxidation products in diet-induced hypercholesterolemic rats fed ortanique peel polymethoxylated flavones extract. 2012 , 10, 91-101	12
721	Neuroglobin, a novel target for endogenous neuroprotection against stroke and neurodegenerative disorders. <i>International Journal of Molecular Sciences</i> , 2012 , 13, 6995-7014	6.3 55
720	Transgenic overexpression of peroxiredoxin-2 attenuates ischemic neuronal injury via suppression of a redox-sensitive pro-death signaling pathway. 2012 , 17, 719-32	63
719	Evaluating effects of normobaric oxygen therapy in acute stroke with MRI-based predictive models. 2012 , 2, 5	16

718	Excitotoxicity and Oxidative Stress in Acute Ischemic Stroke. 2012,	6
717	The role of metal regulatory proteins in brain oxidative stress: a tutorial. 2012, 2012, 981561	7
716	Inhibition of sevoflurane postconditioning against cerebral ischemia reperfusion-induced oxidative injury in rats. 2011, 17, 341-54	29
715	Muscone Exerts Neuroprotection in an Experimental Model of Stroke via Inhibition of the Fas Pathway. 2012, 7, 1934578X1200700	5
714	Plasma Antioxidant Activity as a Marker for a Favourable Outcome in Acute Ischemic Stroke. 2012,	3
713	Neuroprotection in Animal Models of Global Cerebral Ischemia. 2012,	4
712	Biomarkers for cognitive aging part II: oxidative stress, cognitive assessments, and medication adherence. 2012, 14, 133-8	8
711	Protective effect of luteolin in experimental ischemic stroke: upregulated SOD1, CAT, Bcl-2 and claudin-5, down-regulated MDA and Bax expression. 2012, 37, 2014-24	60
710	Modulation of RAGE isoforms expression in the brain and plasma of rats exposed to transient focal cerebral ischemia. 2012, 37, 1508-16	13
709	Catechin hydrate ameliorates redox imbalance and limits inflammatory response in focal cerebral ischemia. 2012, 37, 1747-60	65
708	The effect of injectable gelatin-hydroxyphenylpropionic acid hydrogel matrices on the proliferation, migration, differentiation and oxidative stress resistance of adult neural stem cells. 2012, 33, 3446-55	80
707	Neuroprotective effects of progranulin in ischemic mice. 2012, 1436, 130-6	42
706	Pathophysiologic cascades in ischemic stroke. 2012, 7, 378-85	232
705	Induction of thioredoxin-interacting protein is mediated by oxidative stress, calcium, and glucose after brain injury in mice. 2012, 46, 440-9	46
704	Oxidative burden and mitochondrial dysfunction in a mouse model of Rett syndrome. 2012, 48, 102-14	84
703	Effects of berberine on hippocampal neuronal damage and matrix metalloproteinase-9 activity following transient global cerebral ischemia. 2012, 90, 489-97	26
702	Neuroprotective effects of Salidroside and its analogue tyrosol galactoside against focal cerebral ischemia in vivo and H ₂ O ₂ -induced neurotoxicity in vitro. 2012, 21, 358-67	79
701	Inhibitory effects of prior low-dose X-irradiation on cold-induced brain injury in mouse. 2012, 35, 89-97	25

700	Glutathione prevents free fatty acids-induced oxidative stress and apoptosis in human brain vascular endothelial cells through Akt pathway. 2013 , 19, 252-61		31
699	17 β -Estradiol increases expression of the oxidative stress response and DNA repair protein apurinic endonuclease (Ape1) in the cerebral cortex of female mice following hypoxia. 2013 , 138, 410-20		18
698	Differential effects of insulin induced hypoglycaemia upon redox balance in distinct rat brain areas. 2013 , 13, 279-287		1
697	Safety of intravenous administration of hydrogen-enriched fluid in patients with acute cerebral ischemia: initial clinical studies. 2013 , 3, 13		37
696	NeuroProtective effects of adenosine receptor agonist coadministration with ascorbic acid on CA1 hippocampus in a mouse model of ischemia reperfusion injury. 2013 , 28, 367-74		20
695	Ischemic brain imaging using fluorescent gold nanoprobe sensitive to reactive oxygen species. 2013 , 170, 352-7		25
694	Protective effects of <i>Phoenix dactylifera</i> against oxidative stress and neuronal damage induced by global cerebral ischemia in rats. 2013 , 3, 75-81		5
693	Inflammatory biomarkers for predicting cardiovascular disease. 2013 , 46, 1353-71		101
692	<i>Conus vexillum</i> venom induces oxidative stress in Ehrlich's ascites carcinoma cells: an insight into the mechanism of induction. 2013 , 19, 10		14
691	Multiple factors from bradykinin-challenged astrocytes contribute to the neuronal apoptosis: involvement of astroglial ROS, MMP-9, and HO-1/CO system. 2013 , 47, 1020-33		25
690	The role of PARL and HtrA2 in striatal neuronal injury after transient global cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 1658-65	7-3	14
689	Generation of hydrogen peroxide mediates hanging death-induced neuronal cell apoptosis in the dentate gyrus of the rat brain. 2013 , 95, 54-60		6
688	Phycocyanobilin promotes PC12 cell survival and modulates immune and inflammatory genes and oxidative stress markers in acute cerebral hypoperfusion in rats. 2013 , 272, 49-60		28
687	Selenium supplementation for sepsis: a meta-analysis of randomized controlled trials. 2013 , 31, 1170-5		22
686	<i>Pycnanthus angolensis</i> : Bioactive Compounds and Medicinal Applications. 2013 , 63-78		1
685	Pathogenesis of acute stroke and the role of inflammasomes. 2013 , 12, 941-66		200
684	The effect of resveratrol on neurodegeneration and blood brain barrier stability surrounding intracortical microelectrodes. 2013 , 34, 7001-15		90
683	Oral administration of glutathione improves memory deficits following transient brain ischemia by reducing brain oxidative stress. 2013 , 250, 394-407		54

682	p53 activation and mitochondria-mediated pathway are involved during hanging death-induced neuronal cell apoptosis in dentate gyrus region of the rat brain. 2013 , 2, 407	5
681	Verapamil augments the neuroprotectant action of berberine in rat model of transient global cerebral ischemia. 2013 , 720, 98-106	29
680	Centella asiatica attenuates the neurobehavioral, neurochemical and histological changes in transient focal middle cerebral artery occlusion rats. 2013 , 34, 925-33	56
679	Beneficial synergistic effects of concurrent treatment with theanine and caffeine against cerebral ischemia-reperfusion injury in rats. 2013 , 91, 562-9	19
678	trans-Resveratrol protects ischemic PC12 Cells by inhibiting the hypoxia associated transcription factors and increasing the levels of antioxidant defense enzymes. 2013 , 4, 285-94	47
677	2-Iminobiotin for the treatment of perinatal asphyxia. 2013 , 1, 935-945	2
676	Diethylmaleate and iodoacetate in combination caused profound cell death in astrocytes. 2013 , 127, 271-82	7
675	Hurdles to clear before clinical translation of ischemic postconditioning against stroke. 2013 , 4, 63-70	18
674	Neuroprotection after stroke by targeting NOX4 as a source of oxidative stress. 2013 , 18, 1418-27	105
673	Anticonvulsant potential of commonly practiced formulations of Brahmi (<i>Bacopa monnieri</i> Linn.) in Wistar rats. 2013 , 7, 787-791	2
672	Potassium 2-(1-hydroxypentyl)-benzoate improves learning and memory deficits in chronic cerebral hypoperfused rats. 2013 , 541, 155-60	29
671	Sulforaphane preconditioning of the Nrf2/HO-1 defense pathway protects the cerebral vasculature against blood-brain barrier disruption and neurological deficits in stroke. 2013 , 65, 1012-1022	154
670	Preconditioning to mild oxidative stress mediates astroglial neuroprotection in an IL-10-dependent manner. 2013 , 30, 176-85	25
669	Pretreatment with rosuvastatin protects against focal cerebral ischemia/reperfusion injury in rats through attenuation of oxidative stress and inflammation. 2013 , 1519, 87-94	37
668	Liposome-encapsulated hemoglobin alleviates hearing loss after transient cochlear ischemia: an experimental study in the gerbil. 2013 , 553, 176-80	5
667	Effects of normobaric oxygen on the progression of focal cerebral ischemia in rats. 2013 , 249, 33-8	29
666	Brain ischemia activates β and β secretase cleavage of amyloid precursor protein: significance in sporadic Alzheimer's disease. 2013 , 47, 425-34	87
665	Nanoparticles for targeted delivery of antioxidant enzymes to the brain after cerebral ischemia and reperfusion injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2013 , 33, 583-92	73 99

664	Valproic acid attenuates ischemia-reperfusion injury in the rat brain through inhibition of oxidative stress and inflammation. 2013 , 707, 26-31		56
663	High glucose induces reactive oxygen species-dependent matrix metalloproteinase-9 expression and cell migration in brain astrocytes. 2013 , 48, 601-14		19
662	SOD2 in mitochondrial dysfunction and neurodegeneration. 2013 , 62, 4-12		157
661	The temporal and spatial profiles of cell loss following experimental spinal cord injury: effect of antioxidant therapy on cell death and functional recovery. 2013 , 14, 146		11
660	Oxysophoridine protects against focal cerebral ischemic injury by inhibiting oxidative stress and apoptosis in mice. 2013 , 38, 2408-17		22
659	Molecular mechanisms of ischemia-reperfusion injury in brain: pivotal role of the mitochondrial membrane potential in reactive oxygen species generation. 2013 , 47, 9-23		412
658	Tetramethylpyrazine analogue CXC195 protects against cerebral ischemia/reperfusion injury in the rat by an antioxidant action via inhibition of NADPH oxidase and iNOS expression. 2013 , 92, 198-206		19
657	Hinokitiol, a natural tropolone derivative, offers neuroprotection from thromboembolic stroke in vivo. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013 , 2013, 840487	2.3	22
656	Role of redox signaling in neuroinflammation and neurodegenerative diseases. 2013 , 2013, 484613		239
655	A Systematic, Integrated Study on the Neuroprotective Effects of Hydroxysafflor Yellow A Revealed by (1)H NMR-Based Metabonomics and the NF- κ B Pathway. <i>Evidence-based Complementary and Alternative Medicine</i> , 2013 , 2013, 147362	2.3	11
654	Bone morphogenetic protein-7 ameliorates cerebral ischemia and reperfusion injury via inhibiting oxidative stress and neuronal apoptosis. <i>International Journal of Molecular Sciences</i> , 2013 , 14, 23441-53	6.3	17
653	Deneysel Serebral İskemi-Reperfüzyon Oluşurulumu Ratlarda Memantin Koruyucu Etkilerinin İncelenmesi. 2013 , 19, 85-89		
652	Dual effects of silymarin on nasopharyngeal carcinoma cells (NPC-TW01). 2013 , 20, 261-6		5
651	Study of antioxidative effects and anti-inflammatory effects in mice due to low-dose X-irradiation or radon inhalation. 2013 , 54, 587-96		43
650	Renal denervation prevents stroke and brain injury via attenuation of oxidative stress in hypertensive rats. 2013 , 2, e000375		37
649	Dynamics of nanoparticle-protein corona complex formation: analytical results from population balance equations. 2013 , 8, e64690		68
648	Protective effects of minocycline against short-term ischemia-reperfusion injury in rat brain. 2013 , 49, 172-8		12
647	Cellulose Langmuir-Blodgett Films for Moisture and Gaseous Molecular Sensing System. 2013 ,		

646	In vivo optical imaging correlates with improvement of cerebral ischemia treated by intravenous bone marrow stromal cells (BMSCs) and edaravone. 2013 , 35, 1051-8	7
645	M9, a novel region of amino-Nogo-A, attenuates cerebral ischemic injury by inhibiting NADPH oxidase-derived superoxide production in mice. 2013 , 19, 319-28	11
644	Role of NAD(+), Oxidative Stress, and Tryptophan Metabolism in Autism Spectrum Disorders. 2013 , 6, 15-28	20
643	NADPH Oxidase as a Therapeutic Target for Neuroprotection against Ischaemic Stroke: Future Perspectives. 2013 , 3, 561-98	32
642	Bang-bang model for regulation of local blood flow. 2013 , 20, 455-83	25
641	Stroke: Pathophysiology and Therapy. 2013 , 5, 1-91	
640	Synergetic neuroprotection of normobaric oxygenation and ethanol in ischemic stroke through improved oxidative mechanism. 2013 , 44, 1418-25	35
639	Targeting reactive nitrogen species: a promising therapeutic strategy for cerebral ischemia-reperfusion injury. 2013 , 34, 67-77	72
638	Anti-inflammatory effect of D-allose in cerebral ischemia/reperfusion injury in rats. 2013 , 53, 365-74	22
637	Lipoic acid enhances survival of transplanted neural stem cells by reducing transplantation-associated injury. 2013 , 1	
636	Periodic 17 β -Estradiol pretreatment protects rat brain from cerebral ischemic damage via estrogen receptor- α 2013 , 8, e60716	25
635	Human-derived physiological heat shock protein 27 complex protects brain after focal cerebral ischemia in mice. 2013 , 8, e66001	20
634	Specific transfection of inflamed brain by macrophages: a new therapeutic strategy for neurodegenerative diseases. 2013 , 8, e61852	90
633	The beneficial effect of ginsenoside Rg1 on Schwann cells subjected to hydrogen peroxide induced oxidative injury. 2013 , 9, 624-36	30
632	Status of systemic oxidative stress during therapeutic hypothermia in patients with post-cardiac arrest syndrome. 2013 , 2013, 562429	25
631	Propofol-induced protection of SH-SY5Y cells against hydrogen peroxide is associated with the HO-1 via the ERK pathway. 2013 , 10, 599-606	14
630	Morphology of Rat Hippocampal CA1 Neurons Following Modified Two and Four-Vessels Global Ischemia Models. 2013 , 2, 124-8	13
629	Restoration of glutamine synthetase activity, nitric oxide levels and amelioration of oxidative stress by propolis in kainic acid mediated excitotoxicity. 2014 , 11, 458-63	15

628	Etanercept attenuates myocardial ischemia/reperfusion injury by decreasing inflammation and oxidative stress. 2014 , 9, e108024	58
627	To look beyond vasospasm in aneurysmal subarachnoid haemorrhage. 2014 , 2014, 628597	31
626	The beneficial effect of melatonin in brain endothelial cells against oxygen-glucose deprivation followed by reperfusion-induced injury. 2014 , 2014, 639531	29
625	Panaxatriol saponins attenuated oxygen-glucose deprivation injury in PC12 cells via activation of PI3K/Akt and Nrf2 signaling pathway. 2014 , 2014, 978034	29
624	Cardioprotection against ischemia/reperfusion by licochalcone B in isolated rat hearts. 2014 , 2014, 134862	44
623	Neuroprotection of antioxidant enzymes against transient global cerebral ischemia in gerbils. 2014 , 47, 149-56	38
622	The neuroprotective effect of Sulindac after ischemia-reperfusion injury in rats. 2014 , 29, 268-73	5
621	A polymorphism in the promoter region of the survivin gene is related to hemorrhagic transformation in patients with acute ischemic stroke. 2014 , 16, 856-61	9
620	Arterial hyperoxia and mortality in critically ill patients: a systematic review and meta-analysis. 2014 , 18, 711	180
619	Neuroprotection by the PARP inhibitor PJ34 modulates cerebral and circulating RAGE levels in rats exposed to focal brain ischemia. 2014 , 744, 91-7	17
618	Antioxidant and protective mechanisms against hypoxia and hypoglycaemia in cortical neurons in vitro. <i>International Journal of Molecular Sciences</i> , 2014 , 15, 2475-93	6.3 11
617	Reactive oxygen species-caspase-3 relationship in mediating blood-brain barrier endothelial cell hyperpermeability following oxygen-glucose deprivation and reoxygenation. 2014 , 21, 187-95	27
616	Effects of ischemic preconditioning on VEGF and pFlk-1 immunoreactivities in the gerbil ischemic hippocampus after transient cerebral ischemia. 2014 , 347, 179-87	9
615	Neuroprotection of posttreatment with risperidone, an atypical antipsychotic drug, in rat and gerbil models of ischemic stroke and the maintenance of antioxidants in a gerbil model of ischemic stroke. 2014 , 92, 795-807	19
614	Neuroprotective and anti-apoptotic effects of liraglutide in the rat brain following focal cerebral ischemia. 2014 , 281, 269-81	68
613	Multimodal nanoprobe evaluating physiological pore size of brain vasculatures in ischemic stroke models. 2014 , 3, 1909-18	12
612	Excitotoxicity triggered by neonatal monosodium glutamate treatment and blood-brain barrier function. 2014 , 45, 653-9	20
611	Protective Actions of Ghrelin on Global Cerebral Ischemia-Induced Memory Deficits. 2014 , 46, 343-351	

610	Neuroprotective effects of bilobalide on cerebral ischemia and reperfusion injury are associated with inhibition of pro-inflammatory mediator production and down-regulation of JNK1/2 and p38 MAPK activation. 2014 , 11, 167	98
609	Prohibitin viral gene transfer protects hippocampal CA1 neurons from ischemia and ameliorates postischemic hippocampal dysfunction. 2014 , 45, 1131-8	24
608	SIRT2 mediates oxidative stress-induced apoptosis of differentiated PC12 cells. 2014 , 25, 838-842	36
607	NADPH oxidase mediates the expression of MMP-9 in cerebral tissue after ischemia-reperfusion damage. 2014 , 36, 118-25	17
606	Potential advantages of Chinese medicine Taohong Siwu Decoction () combined with tissue-plasminogen activator for alleviating middle cerebral artery occlusion-induced embolic stroke in rats. 2014 , 1	7
605	Enriched endogenous omega-3 fatty acids in mice protect against global ischemia injury. 2014 , 55, 1288-97	35
604	Tat-glyoxalase protein inhibits against ischemic neuronal cell damage and ameliorates ischemic injury. 2014 , 67, 195-210	49
603	Intramitochondrial Zn ²⁺ accumulation via the Ca ²⁺ uniporter contributes to acute ischemic neurodegeneration. 2014 , 68, 137-44	37
602	The protective effects of Trolox-loaded chitosan nanoparticles against hypoxia-mediated cell apoptosis. 2014 , 10, 1411-20	17
601	Downregulated RASD1 and upregulated miR-375 are involved in protective effects of calycosin on cerebral ischemia/reperfusion rats. 2014 , 339, 144-8	47
600	Bihemispheric ischemic tolerance induced by a unilateral focal cortical lesion. 2014 , 1570, 54-60	2
599	Down-regulation of apurinic/apyrimidinic endonuclease 1 (APE1) in spinal motor neurones under oxidative stress. 2014 , 40, 435-51	7
598	Anemonin alleviates nerve injury after cerebral ischemia and reperfusion (i/r) in rats by improving antioxidant activities and inhibiting apoptosis pathway. 2014 , 53, 271-9	25
597	Up-regulation of ROS-dependent matrix metalloproteinase-9 from high-glucose-challenged astrocytes contributes to the neuronal apoptosis. 2014 , 50, 520-33	24
596	Protective effect of shikonin in experimental ischemic stroke: attenuated TLR4, p-p38MAPK, NF- κ B, TNF- β and MMP-9 expression, up-regulated claudin-5 expression, ameliorated BBB permeability. 2014 , 39, 97-106	62
595	Neuroprotective effect of diphenyl diselenide in a experimental stroke model: maintenance of redox system in mitochondria of brain regions. 2014 , 26, 317-30	25
594	Protective effect of melatonin against transient global cerebral ischemia-induced neuronal cell damage via inhibition of matrix metalloproteinase-9. 2014 , 94, 8-16	18
593	Microglial voltage-gated proton channel Hv1 in ischemic stroke. 2014 , 5, 99-108	20

592	Hydrogen sulfide protects the brain against ischemic reperfusion injury in a transient model of focal cerebral ischemia. 2014 , 54, 264-70	70
591	Developmental expression of GPR3 in rodent cerebellar granule neurons is associated with cell survival and protects neurons from various apoptotic stimuli. 2014 , 68, 215-27	21
590	Link between oxidative stress and acute brain ischemia. 2014 , 65, 667-76	67
589	Neuronal damage, central cholinergic dysfunction and oxidative damage correlate with cognitive deficits in rats with chronic cerebral hypoperfusion. 2014 , 109, 7-19	54
588	Hypobaric hypoxia postconditioning reduces brain damage and improves antioxidative defense in the model of birth asphyxia in 7-day-old rats. 2014 , 39, 68-75	16
587	Neuroprotective effects of PEP-1-carbonyl reductase 1 against oxidative-stress-induced ischemic neuronal cell damage. 2014 , 69, 181-96	25
586	Continuous oral administration of atorvastatin ameliorates brain damage after transient focal ischemia in rats. 2014 , 94, 106-14	20
585	The neuroprotective effect of 17 β -estradiol is independent of its antioxidative properties. 2014 , 1589, 61-7	6
584	Silibinin activates AMP-activated protein kinase to protect neuronal cells from oxygen and glucose deprivation-re-oxygenation. 2014 , 454, 313-9	18
583	DAPK1-p53 interaction converges necrotic and apoptotic pathways of ischemic neuronal death. 2014 , 34, 6546-56	79
582	Response properties of the genetically encoded optical H ₂ O ₂ sensor HyPer. 2014 , 76, 227-41	32
581	Changes and expressions of Redd1 in neurons and glial cells in the gerbil hippocampus proper following transient global cerebral ischemia. 2014 , 344, 43-50	18
580	Comparative analysis of the neuroprotective effects of ginsenosides Rg1 and Rb1 extracted from Panax notoginseng against cerebral ischemia. 2014 , 92, 102-8	54
579	Effect of therapeutic hypothermia on DNA damage and neurodevelopmental outcome among term neonates with perinatal asphyxia: a randomized controlled trial. 2014 , 60, 134-40	21
578	The neuroprotective properties of the superoxide dismutase mimetic tempol correlate with its ability to reduce pathological glutamate release in a rodent model of stroke. 2014 , 77, 168-82	47
577	Apigenin mediated protection of OGD-evoked neuron-like injury in differentiated PC12 cells. 2014 , 39, 2197-210	31
576	Calycosin-7-O- β -D-glucoside regulates nitric oxide /caveolin-1/matrix metalloproteinases pathway and protects blood-brain barrier integrity in experimental cerebral ischemia-reperfusion injury. 2014 , 155, 692-701	63
575	Free radical scavenging activity and neuroprotective potentials of D138, one Cu(II)/Zn(II) Schiff-base complex derived from N,N'-bis(2-hydroxynaphthylmethylidene)-1,3-propanediamine. 2014 , 39, 1834-44	9

574	Zinc Signals in Cellular Functions and Disorders. 2014 ,	10
573	Radon inhalation protects against transient global cerebral ischemic injury in gerbils. 2014 , 37, 1675-82	15
572	Apelin-13 Inhibits Apoptosis of Cortical Neurons Following Brain Ischemic Reperfusion Injury in a Transient Model of Focal Cerebral Ischemia. 2014 , 20, 127-132	21
571	Protective effect of naringenin in experimental ischemic stroke: down-regulated NOD2, RIP2, NF- κ B, MMP-9 and up-regulated claudin-5 expression. 2014 , 39, 1405-15	47
570	Cerebral Ischemia in Diabetics and Oxidative Stress. 2014 , 15-23	1
569	Current preclinical studies on neuroinflammation and changes in blood-brain barrier integrity by MDMA and methamphetamine. 2014 , 87, 125-34	28
568	UPEI-300, a conjugate of lipoic acid and edaravone, mediates neuroprotection in ischemia/reperfusion. 2014 , 561, 151-5	10
567	Tyrosine nitration in peptides by peroxynitrite generated in situ in a light-controlled platform: effects of pH and thiols. 2014 , 138, 24-30	3
566	IMM-H004, a novel coumarin derivative, protects against oxygen-and glucose-deprivation/restoration-induced apoptosis in PC12 cells. 2014 , 723, 259-66	24
565	Voltage-gated proton channel HV1 in microglia. 2014 , 20, 599-609	30
564	Oxygen therapy does not increase production and damage induced by reactive oxygen species in focal cerebral ischemia. 2014 , 577, 1-5	20
563	Hydrogen-rich saline attenuates neuronal ischemia--reperfusion injury by protecting mitochondrial function in rats. 2014 , 192, 564-72	34
562	Immune mechanisms in cerebral ischemic tolerance. 2014 , 8, 44	51
561	Neuropathology and pathophysiology of stroke. 1-32	4
560	Para-phenylenediamine-induces apoptosis via a pathway dependent on PTK-Ras-Raf-JNK activation but independent of the PI3K/Akt pathway in NRK-52E cells. 2015 , 11, 2262-8	3
559	Ischemic preconditioning maintains the immunoreactivities of glucokinase and glucokinase regulatory protein in neurons of the gerbil hippocampal CA1 region following transient cerebral ischemia. 2015 , 12, 4939-46	2
558	Effects of low doses of Tat-PIM2 protein against hippocampal neuronal cell survival. 2015 , 358, 226-35	6
557	Functional differences between microglia and monocytes after ischemic stroke. 2015 , 12, 106	178

556	High-fat diet-induced obesity exacerbates kainic acid-induced hippocampal cell death. 2015 , 16, 72		18
555	Does normobaric hyperoxia increase oxidative stress in acute ischemic stroke? A critical review of the literature. 2015 , 5, 11		41
554	Epigallocatechin-3-Gallate (EGCG) Attenuates Traumatic Brain Injury by Inhibition of Edema Formation and Oxidative Stress. 2015 , 19, 491-7		28
553	Synthesis and Evaluation of Neuroprotective Selenoflavanones. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 29574-82	6.3	7
552	Oenanthe Javanica Extract Protects Against Experimentally Induced Ischemic Neuronal Damage via its Antioxidant Effects. 2015 , 128, 2932-7		19
551	Current knowledge on the neuroprotective and neuroregenerative properties of citicoline in acute ischemic stroke. 2015 , 7, 17-28		26
550	The Effects of Xanthine Oxidoreductase Inhibitors on Oxidative Stress Markers following Global Brain Ischemia Reperfusion Injury in C57BL/6 Mice. 2015 , 10, e0133980		21
549	Antrodia camphorata Potentiates Neuroprotection against Cerebral Ischemia in Rats via Downregulation of iNOS/HO-1/Bax and Activated Caspase-3 and Inhibition of Hydroxyl Radical Formation. <i>Evidence-based Complementary and Alternative Medicine</i> , 2015 , 2015, 232789	2.3	9
548	Immune responses in neurodegenerative diseases. 2014 , 12, 67-76		6
547	Pre-ischemic exercise reduces apoptosis in hippocampal CA3 cells after cerebral ischemia by modulation of the Bax/Bcl-2 proteins ratio and prevention of caspase-3 activation. 2015 , 65, 435-43		48
546	Exosomes as drug delivery vehicles for Parkinson's disease therapy. 2015 , 207, 18-30		889
545	Tat-antioxidant 1 protects against stress-induced hippocampal HT-22 cells death and attenuate ischaemic insult in animal model. 2015 , 19, 1333-45		19
544	Leigh syndrome: neuropathology and pathogenesis. 2015 , 74, 482-92		94
543	Matrine attenuates focal cerebral ischemic injury by improving antioxidant activity and inhibiting apoptosis in mice. 2015 , 36, 633-44		65
542	Review on herbal medicine on brain ischemia and reperfusion. 2015 , 5, 789-795		18
541	Nanotheragnostic applications for ischemic and hemorrhagic strokes: improved delivery for a better prognosis. 2015 , 15, 505		10
540	Activation of S1P ₁ receptor regulates PI3K/Akt/FoxO3a pathway in response to oxidative stress in PC12 cells. 2015 , 56, 177-87		38
539	Protective effect of rhGLP-1 (7-36) on brain ischemia/reperfusion damage in diabetic rats. 2015 , 1602, 153-9		21

538	Cerebral perfusion in pediatric type 1 diabetes: relation to vascular complications, psychological and neurophysiological functions. 2015 , 35, 117-127	
537	Revisiting cerebral postischemic reperfusion injury: new insights in understanding reperfusion failure, hemorrhage, and edema. 2015 , 10, 143-52	139
536	Genistein exerts neuroprotective effect on focal cerebral ischemia injury in rats. 2015 , 38, 1311-21	25
535	Effects of Tannic Acid on the Ischemic Brain Tissue of Rats. 2015 , 38, 1624-30	9
534	Ethanol and normobaric oxygen: novel approach in modulating pyruvate dehydrogenase complex after severe transient and permanent ischemic stroke. 2015 , 46, 492-9	29
533	Engineering the defect state and reducibility of ceria based nanoparticles for improved anti-oxidation performance. 2015 , 7, 13981-90	78
532	Hyperlipidemia exacerbates cerebral injury through oxidative stress, inflammation and neuronal apoptosis in MCAO/reperfusion rats. 2015 , 233, 2753-65	42
531	Oxymatrine attenuated hypoxic-ischemic brain damage in neonatal rats via improving antioxidant enzyme activities and inhibiting cell death. 2015 , 89, 17-27	42
530	Remote limb ischemic postconditioning protects mouse brain against cerebral ischemia/reperfusion injury via upregulating expression of Nrf2, HO-1 and NQO-1 in mice. 2016 , 126, 552-559	38
529	SOD1 overexpression prevents acute hyperglycemia-induced cerebral myogenic dysfunction: relevance to contralateral hemisphere and stroke outcomes. 2015 , 308, H456-66	13
528	Ischemic preconditioning inhibits expression of Na(+)/H(+) exchanger 1 (NHE1) in the gerbil hippocampal CA1 region after transient forebrain ischemia. 2015 , 351, 146-153	10
527	p63 Expression in the Gerbil Hippocampus Following Transient Ischemia and Effect of Ischemic Preconditioning on p63 Expression in the Ischemic Hippocampus. 2015 , 40, 1013-22	3
526	Chinese medicines and bioactive compounds for treatment of stroke. 2015 , 21, 90-101	4
525	Multimodal imaging in acute ischemic stroke. 2015 , 17, 368	5
524	NMDA receptor NR2B subunits contribute to PTZ-kindling-induced hippocampal astrogliosis and oxidative stress. 2015 , 114, 70-8	57
523	Mediation of exogenous hydrogen sulfide in recovery of ischemic post-conditioning-induced cardioprotection via down-regulating oxidative stress and up-regulating PI3K/Akt/GSK-3 β pathway in isolated aging rat hearts. 2015 , 5, 11	43
522	Bioinspired-Interpenetrating Network (IPNs) Hydrogel (BIOF-INPs) and TMD <i>in Vitro</i>; Bioadhesion, Drug Release and Build in Free Radical Detection and Defense. 2015 , 05, 53-61	2
521	The protective effect of caffeic acid on global cerebral ischemia-reperfusion injury in rats. 2015 , 11, 18	64

520	Sulfiredoxin-1 exerts anti-apoptotic and neuroprotective effects against oxidative stress-induced injury in rat cortical astrocytes following exposure to oxygen-glucose deprivation and hydrogen peroxide. 2015 , 36, 43-52	21
519	Assessment at the single-cell level identifies neuronal glutathione depletion as both a cause and effect of ischemia-reperfusion oxidative stress. 2015 , 35, 7143-52	24
518	Natural polyphenols based new therapeutic avenues for advanced biomedical applications. 2015 , 47, 420-30	16
517	An overview on neuroprotective effects of isothiocyanates for the treatment of neurodegenerative diseases. 2015 , 106, 12-21	73
516	The Protective Effect of Remote Renal Preconditioning Against Hippocampal Ischemia Reperfusion Injury: Role of KATP Channels. 2015 , 57, 554-60	31
515	Endogenous level of TIGAR in brain is associated with vulnerability of neurons to ischemic injury. 2015 , 31, 527-40	19
514	Pathological Implications of Oxidative Stress in Patients and Animal Models with Schizophrenia: The Role of Epidermal Growth Factor Receptor Signaling. 2016 , 29, 429-446	12
513	Mitofusin 2 ameliorates hypoxia-induced apoptosis via mitochondrial function and signaling pathways. 2015 , 69, 29-40	51
512	TRAP1 Provides Protection Against Myocardial Ischemia-Reperfusion Injury by Ameliorating Mitochondrial Dysfunction. 2015 , 36, 2072-82	39
511	Polyphenols and Bionanoparticle Combinations as Neuroprotective and Anticarcinogenic Agents: A Potential Neuropharmacological Solution to Combat Cerebral Stroke and Cancer. 2015 , 33, 406-411	
510	Genomic approach to selective vulnerability of the hippocampus in brain ischemia-hypoxia. 2015 , 309, 259-79	67
509	Imaging of reactive oxygen species in focal ischemic mouse brain using a radical trapping tracer [(3)H]hydromethidine. 2015 , 5, 115	9
508	Chinese herbal medicine formula tao hong si wu decoction protects against cerebral ischemia-reperfusion injury via PI3K/Akt and the Nrf2 signaling pathway. 2015 , 69, 76-85	37
507	Momordica charantia polysaccharides could protect against cerebral ischemia/reperfusion injury through inhibiting oxidative stress mediated c-Jun N-terminal kinase 3 signaling pathway. 2015 , 91, 123-34	63
506	The effect of 2100 MHz radiofrequency radiation of a 3G mobile phone on the parotid gland of rats. 2015 , 36, 39-46	15
505	The use of microRNAs to modulate redox and immune response to stroke. 2015 , 22, 187-202	49
504	Neuroprotective effect of humic Acid on focal cerebral ischemia injury: an experimental study in rats. 2015 , 38, 32-9	26
503	Edaravone's free radical scavenging mechanisms of neuroprotection against cerebral ischemia: review of the literature. 2015 , 125, 555-65	25

502	IL-1 β Induces MMP-9-Dependent Brain Astrocytic Migration via Transactivation of PDGF Receptor/NADPH Oxidase 2-Derived Reactive Oxygen Species Signals. 2015 , 52, 303-17		29
501	Reducing effect of IL-32 β in the development of stroke through blocking of NF- κ B, but enhancement of STAT3 pathways. 2015 , 51, 648-60		20
500	Thioredoxin-interacting protein: a novel target for neuroprotection in experimental thromboembolic stroke in mice. 2015 , 51, 766-78		72
499	Neuroprotective effects of compound FLZ in an ischemic model mediated by improving cerebral blood flow and enhancing Hsp27 expression. 2016 , 1644, 288-95		3
498	Apigenin-7-O- β -D-(-6''-p-coumaroyl)-Glucopyranoside Treatment Elicits Neuroprotective Effect against Experimental Ischemic Stroke. 2016 , 12, 42-52		19
497	The protective cardiac effects of β -myrcene after global cerebral β -ischemia/reperfusion in C57BL/J6 mouse. 2016 , 31, 456-62		12
496	Molecular, Cellular and Clinical Aspects of Intracerebral Hemorrhage: Are the Enemies Within?. <i>Current Neuropharmacology</i> , 2016 , 14, 392-402	7.6	36
495	Excitotoxicity and Oxidative Stress in Acute Stroke. 2016 ,		9
494	Protective Effect of Diospyros kaki against Glucose-Oxygen-Serum Deprivation-Induced PC12 Cells Injury. 2016 , 2016, 3073078		4
493	Melatonin and Nitrones As Potential Therapeutic Agents for Stroke. 2016 , 8, 281		3
492	Achillolide A Protects Astrocytes against Oxidative Stress by Reducing Intracellular Reactive Oxygen Species and Interfering with Cell Signaling. 2016 , 21, 301		4
491	Effects of Ranolazine on Astrocytes and Neurons in Primary Culture. 2016 , 11, e0150619		12
490	Osmotherapy With Hypertonic Saline Attenuates Global Cerebral Edema Following Experimental Cardiac Arrest via Perivascular Pool of Aquaporin-4. 2016 , 44, e702-10		13
489	Attenuation of cerebral ischemic injury in interferon regulatory factor 3-deficient rat. 2016 , 136, 871-883		9
488	Effect of the PGD2-DP signaling pathway on primary cultured rat hippocampal neuron injury caused by aluminum overload. 2016 , 6, 24646		13
487	Protective Effect of Aliskiren in Experimental Ischemic Stroke: Up-Regulated p-PI3K, p-AKT, Bcl-2 Expression, Attenuated Bax Expression. 2016 , 41, 2300-10		25
486	Phytochemicals in Ischemic Stroke. 2016 , 18, 283-305		31
485	Lycopene protects human SH-SY5Y neuroblastoma cells against hydrogen peroxide-induced death via inhibition of oxidative stress and mitochondria-associated apoptotic pathways. 2016 , 13, 4205-14		36

484	The role of Akt (protein kinase B) and protein kinase C in ischemia-reperfusion injury. 2016 , 38, 301-8	34
483	Exogenous H ₂ S contributes to recovery of ischemic post-conditioning-induced cardioprotection by decrease of ROS level via down-regulation of NF- κ B and JAK2-STAT3 pathways in the aging cardiomyocytes. 2016 , 6, 26	34
482	Modulation of LOX and COX pathways via inhibition of amyloidogenesis contributes to mitoprotection against β -amyloid oligomer-induced toxicity in an animal model of Alzheimer's disease in rats. 2016 , 146-147, 1-12	19
481	The antioxidative property of melatonin against brain ischemia. 2016 , 16, 841-8	14
480	Glutathione adducts induced by ischemia and deletion of glutaredoxin-1 stabilize HIF-1 β and improve limb revascularization. 2016 , 113, 6011-6	55
479	Interfering with the Chronic Immune Response Rescues Chronic Degeneration After Traumatic Brain Injury. 2016 , 36, 9962-75	55
478	Mechanisms and challenges in translational stroke research. 2016 , 64, 827-9	18
477	Neuroprotective potential of cerium oxide nanoparticles for focal cerebral ischemic stroke. 2016 , 36, 480-486	20
476	Inhalation of water electrolysis-derived hydrogen ameliorates cerebral ischemia-reperfusion injury in rats - A possible new hydrogen resource for clinical use. 2016 , 335, 232-41	47
475	The critical roles of mitophagy in cerebral ischemia. 2016 , 7, 699-713	61
474	Nox4 contributes to the hypoxia-mediated regulation of actin cytoskeleton in cerebrovascular smooth muscle. 2016 , 163, 46-54	8
473	Baicalein Attenuates Neurological Deficits and Preserves Blood-Brain Barrier Integrity in a Rat Model of Intracerebral Hemorrhage. 2016 , 41, 3095-3102	26
472	Non-Neuronal Mechanisms of Brain Damage and Repair After Stroke. 2016 ,	
471	Antioxidative effect of phycoerythrin derived from <i>Grateloupia filicina</i> on rat primary astrocytes. 2016 , 21, 676-682	10
470	The Advances in Neurobiology. 2016 , 12, 293-306	4
469	The Role of Nonneuronal Nrf2 Pathway in Ischemic Stroke: Damage Control and Potential Tissue Repair. 2016 , 377-397	1
468	Exogenous Hydrogen Sulfide Postconditioning Protects Isolated Rat Hearts From Ischemia/Reperfusion Injury Through Sirt1/PGC-1 β Signaling Pathway. 2016 , 57, 477-82	31
467	Neural stem cells injured by oxidative stress can be rejuvenated by GV1001, a novel peptide, through scavenging free radicals and enhancing survival signals. 2016 , 55, 131-141	20

466	Chronic treatment with resveratrol improves overactive bladder in obese mice via antioxidant activity. 2016 , 788, 29-36	16
465	Therapeutic Potential of Natural Product-Based Oral Nanomedicines for Stroke Prevention. 2016 , 19, 521-7	15
464	Carvacrol Exerts Neuroprotective Effects Via Suppression of the Inflammatory Response in Middle Cerebral Artery Occlusion Rats. 2016 , 39, 1566-72	17
463	Neuroprotective actions of taurine on hypoxic-ischemic brain damage in neonatal rats. 2016 , 124, 295-305	33
462	6 Diffusion Weighted Imaging in Vascular Pathology. 2016 ,	
461	Protective effects of PGC-1 β via the mitochondrial pathway in rat brains after intracerebral hemorrhage. 2016 , 1646, 34-43	13
460	Neurorestoration after stroke. 2016 , 40, E2	43
459	Role of hepcidin and its downstream proteins in early brain injury after experimental subarachnoid hemorrhage in rats. 2016 , 418, 31-8	19
458	Tat-PRAS40 prevent hippocampal HT-22 cell death and oxidative stress induced animal brain ischemic insults. 2016 , 97, 250-262	10
457	Crosstalk Between Endoplasmic Reticulum Stress, Oxidative Stress, and Autophagy: Potential Therapeutic Targets for Acute CNS Injuries. 2016 , 53, 532-544	152
456	Cardioprotective Effects of Total Flavonoids Extracted from Xinjiang Sprig <i>Rosa rugosa</i> against Acute Ischemia/Reperfusion-Induced Myocardial Injury in Isolated Rat Heart. 2016 , 16, 54-66	13
455	Enhanced Neuroprotection of Minimally Invasive Surgery Joint Local Cooling Lavage against ICH-induced Inflammation Injury and Apoptosis in Rats. 2016 , 36, 647-55	11
454	Altered hypothalamic inflammatory gene expression correlates with heat stroke severity in a conscious rodent model. 2016 , 1637, 81-90	10
453	Exposure to electromagnetic field attenuates oxygen-glucose deprivation-induced microglial cell death by reducing intracellular Ca(2+) and ROS. 2016 , 92, 195-201	19
452	Dietary supplementation of GrandFusion(fi) mitigates cerebral ischemia-induced neuronal damage and attenuates inflammation. 2016 , 19, 290-300	13
451	The bioactive components of <i>Coreopsis tinctoria</i> (Asteraceae) capitula: Antioxidant activity in vitro and profile in rat plasma. 2016 , 20, 575-586	32
450	Evaluation of Anti-Inflammatory Effects of <i>Helminthostachys zeylanica</i> Extracts via Inhibiting Bradykinin-Induced MMP-9 Expression in Brain Astrocytes. 2016 , 53, 5995-6005	20
449	A beacon of hope in stroke therapy-Blockade of pathologically activated cellular events in excitotoxic neuronal death as potential neuroprotective strategies. 2016 , 160, 159-79	31

448	Synthesis and neuroprotective activity of dictyoquinazol A and analogues. 2016 , 24, 1480-7	6
447	Deletion or Inhibition of the Oxygen Sensor PHD1 Protects against Ischemic Stroke via Reprogramming of Neuronal Metabolism. 2016 , 23, 280-91	58
446	Protective effect of resveratrol against neuronal damage following transient global cerebral ischemia in mice. 2016 , 27, 146-52	19
445	PPAR- δ Ameliorates Neuronal Apoptosis and Ischemic Brain Injury via Suppressing NF- κ B-Driven p22phox Transcription. 2016 , 53, 3626-3645	48
444	The effects of obstructive jaundice on the brain: An experimental study. 2016 , 39, 155-63	1
443	Propofol Protects Against H ₂ O ₂ -Induced Oxidative Injury in Differentiated PC12 Cells via Inhibition of Ca(2+)-Dependent NADPH Oxidase. 2016 , 36, 541-51	21
442	Potential protective effects of l-carnitine against neuromuscular ischemia-reperfusion injury: From experimental data to potential clinical applications. 2016 , 35, 783-90	8
441	Isoquercetin Ameliorates Cerebral Impairment in Focal Ischemia Through Anti-Oxidative, Anti-Inflammatory, and Anti-Apoptotic Effects in Primary Culture of Rat Hippocampal Neurons and Hippocampal CA1 Region of Rats. 2017 , 54, 2126-2142	61
440	Leukemia Inhibitory Factor Protects Neurons from Ischemic Damage via Upregulation of Superoxide Dismutase 3. 2017 , 54, 608-622	26
439	Curcumin reverses neurochemical, histological and immuno-histochemical alterations in the model of global brain ischemia. 2017 , 7, 14-23	22
438	Mitochondrial function in hypoxic ischemic injury and influence of aging. 2017 , 157, 92-116	162
437	Mesenchymal stem cells protect neurons against hypoxic-ischemic injury via inhibiting parthanatos, necroptosis, and apoptosis, but not autophagy. 2017 , 37, 303-313	37
436	Neuroprotection of ischemic preconditioning is mediated by thioredoxin 2 in the hippocampal CA1 region following a subsequent transient cerebral ischemia. 2017 , 27, 276-291	36
435	NADPH oxidase in brain injury and neurodegenerative disorders. 2017 , 12, 7	217
434	Ischemic brain injury: New insights on the protective role of melatonin. 2017 , 104, 32-53	56
433	Tat-DJ-1 enhances cell survival by inhibition of oxidative stress, NF- κ B and MAPK activation in HepG2 cells. 2017 , 39, 511-521	11
432	Neuroprotective effects of Kukoamine A against cerebral ischemia via antioxidant and inactivation of apoptosis pathway. 2017 , 107, 191-197	14
431	Targeting Oxidative Stress in Stroke. 2017 , 203-250	7

430	Differences in Reperfusion-Induced Mitochondrial Oxidative Stress and Cell Death Between Hippocampal CA1 and CA3 Subfields Are Due to the Mitochondrial Thioredoxin System. 2017 , 27, 534-549	16
429	Time-dependent change of in vivo optical imaging of oxidative stress in a mouse stroke model. 2017 , 95, 2030-2039	14
428	Mechanistic insight into neurotoxicity induced by developmental insults. 2017 , 482, 408-418	20
427	Bioactive lignans and flavones with in vitro antioxidant and neuroprotective properties from <i>Rubus idaeus</i> rhizome. 2017 , 32, 160-169	8
426	Modulation of cerebral RAGE expression following nitric oxide synthase inhibition in rats subjected to focal cerebral ischemia. 2017 , 800, 16-22	9
425	Molecular mechanisms of brain-derived neurotrophic factor in neuro-protection: Recent developments. 2017 , 1665, 1-21	68
424	Pathogenic mechanisms following ischemic stroke. 2017 , 38, 1167-1186	271
423	Isoquercetin activates the ERK1/2-Nrf2 pathway and protects against cerebral ischemia-reperfusion injury and. 2017 , 13, 1353-1359	25
422	Ventricular fibrillation cardiac arrest produces a chronic striatal hyperdopaminergic state that is worsened by methylphenidate treatment. 2017 , 142, 305-322	4
421	Neuroprotective effect of minocycline on cognitive impairments induced by transient cerebral ischemia/reperfusion through its anti-inflammatory and anti-oxidant properties in male rat. 2017 , 131, 207-213	32
420	Global cerebral ischemia due to circulatory arrest: insights into cellular pathophysiology and diagnostic modalities. 2017 , 426, 111-127	31
419	Fullerenol nanoparticles decrease ischaemia-induced brain injury and oedema through inhibition of oxidative damage and aquaporin-1 expression in ischaemic stroke. 2017 , 31, 1142-1150	16
418	Mechanisms of Acupuncture Therapy for Cerebral Ischemia: an Evidence-Based Review of Clinical and Animal Studies on Cerebral Ischemia. 2017 , 12, 575-592	28
417	Pre-treatment with <i>Chrysanthemum indicum</i> Linn extract protects pyramidal neurons from transient cerebral ischemia via increasing antioxidants in the gerbil hippocampal CA1 region. 2017 , 16, 133-142	11
416	Bi-directionally protective communication between neurons and astrocytes under ischemia. 2017 , 13, 20-31	14
415	Kelch-like ECH-associated Protein 1-dependent Nuclear Factor-E2-related Factor 2 Activation in Relation to Antioxidation Induced by Sevoflurane Preconditioning. 2017 , 126, 507-521	12
414	Ischemic Cerebroprotection Conferred by Myeloid Lineage-Restricted or Global CD39 Transgene Expression. 2017 , 135, 2389-2402	15
413	Effects of short-term hyperoxia on erythropoietin levels and microcirculation in critically ill patients: a prospective observational pilot study. 2017 , 17, 49	20

4 ¹²	Therapeutic Strategies for Mitochondrial Dysfunction and Oxidative Stress in Age-Related Metabolic Disorders. 2017 , 146, 13-46	32
4 ¹¹	Mulberrofuran G Protects Ischemic Injury-induced Cell Death via Inhibition of NOX4-mediated ROS Generation and ER Stress. 2017 , 31, 321-329	16
4 ¹⁰	Neuroprotective effect of hypobaric hypoxic postconditioning is accompanied by dna protection and lipid peroxidation changes in rat hippocampus. 2017 , 639, 49-52	8
4 ⁰⁹	Bioactive Plant Molecules, Sources and Mechanism of Action in the Treatment of Cardiovascular Disease. 2017 , 315-336	16
4 ⁰⁸	DhHP-6 attenuates cerebral ischemia-reperfusion injury in rats through the inhibition of apoptosis. 2017 , 16, 7229-7236	10
4 ⁰⁷	Activation of cannabinoid receptor 1 is involved in protection against mitochondrial dysfunction and cerebral ischaemic tolerance induced by isoflurane preconditioning. 2017 , 119, 1213-1223	14
4 ⁰⁶	Cannabinoid receptor agonist WIN55,212-2 and fatty acid amide hydrolase inhibitor URB597 ameliorate neuroinflammatory responses in chronic cerebral hypoperfusion model by blocking NF- κ B pathways. 2017 , 390, 1189-1200	18
4 ⁰⁵	G6PD plays a neuroprotective role in brain ischemia through promoting pentose phosphate pathway. 2017 , 112, 433-444	25
4 ⁰⁴	Adiponectin attenuates NADPH oxidase-mediated oxidative stress and neuronal damage induced by cerebral ischemia-reperfusion injury. 2017 , 1863, 3265-3276	29
4 ⁰³	Alismanoid A, an unprecedented 1,2-seco bisabolene from <i>Alisma orientale</i> , and its protective activity against H ₂ O ₂ -induced damage in SH-SY5Y cells. 2017 , 41, 12664-12670	18
4 ⁰²	Clinical Features of Refractory Status Epilepticus in Various Conditions. 2017 , 75-170	
4 ⁰¹	Neuroprotective Effect of Chitosan Oligosaccharide on Hypoxic-Ischemic Brain Damage in Neonatal Rats. 2017 , 42, 3186-3198	17
4 ⁰⁰	Neuroprotective effects of honokiol: from chemistry to medicine. 2017 , 43, 760-769	31
399	Antioxidants Maintain Cellular Redox Homeostasis by Elimination of Reactive Oxygen Species. 2017 , 44, 532-553	627
398	Synthesis and evaluation of 26-amino acid methyl ester substituted sarsapogenin derivatives as neuroprotective agents for Alzheimer's disease. 2017 , 125, 93-106	10
397	Transient cerebral ischemia induces albumin expression in microglia only in the CA1 region of the gerbil hippocampus. 2017 , 16, 661-665	8
396	Sesamol attenuates oxidative stress, apoptosis and inflammation in focal cerebral ischemia/reperfusion injury. 2017 , 14, 841-847	30
395	Schisantherin A attenuates ischemia/reperfusion-induced neuronal injury in rats via regulation of TLR4 and C5aR1 signaling pathways. 2017 , 66, 244-256	18

394	Heat stress-induced neuroinflammation and aberration in monoamine levels in hypothalamus are associated with temperature dysregulation. 2017 , 358, 79-92	41
393	Role of sestrin2 in HO-induced PC12 apoptosis. 2017 , 646, 1-7	5
392	Mitochondrial dysfunction and oxidative stress in metabolic disorders - A step towards mitochondria based therapeutic strategies. 2017 , 1863, 1066-1077	430
391	TRPC3/6/7 Knockdown Protects the Brain from Cerebral Ischemia Injury via Astrocyte Apoptosis Inhibition and Effects on NF- κ B-Translocation. 2017 , 54, 7555-7566	30
390	Treadmill Exercise Promotes Neurogenesis in Ischemic Rat Brains via Caveolin-1/VEGF Signaling Pathways. 2017 , 42, 389-397	29
389	The multifaceted role of metalloproteinases in physiological and pathological conditions in embryonic and adult brains. 2017 , 155, 36-56	26
388	Combination of Zizyphus jujuba and silymarin showed better neuroprotective effect as compared to single agent in MCAO-induced focal cerebral ischemia in rats. 2017 , 197, 118-127	14
387	Nrf2-a Promising Therapeutic Target for Defensing Against Oxidative Stress in Stroke. 2017 , 54, 6006-6017	123
386	DAPK1 Signaling Pathways in Stroke: from Mechanisms to Therapies. 2017 , 54, 4716-4722	36
385	Protective effects of notoginsenoside R1 on cerebral ischemia-reperfusion injury in rats. 2017 , 14, 6012-6016	12
384	Tat-protein disulfide-isomerase A3: a possible candidate for preventing ischemic damage in the spinal cord. 2017 , 8, e3075	19
383	Protective effect of Canna indica on cerebral ischemia-reperfusion injury in rats. 2017 , 51, 470-477	2
382	CARDIOPROTECTIVE EFFECT OF INM 176 ON ISCHEMIA REPERFUSION INJURY USING RAT HEART MODEL. 2017 , 10, 106	
381	Edema and BBB Breakdown in Stroke. 2017 , 219-233	1
380	MORIN MITIGATES OXIDATIVE STRESS, APOPTOSIS AND INFLAMMATION IN CEREBRAL ISCHEMIC RATS. 2017 , 14, 348-355	23
379	A Mini-Review of the NADPH oxidases in Vascular Dementia: Correlation with NOXs and Risk Factors for VaD. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3 18
378	Effects of single-dose neuropeptide Y on levels of hippocampal BDNF, MDA, GSH, and NO in a rat model of pentylenetetrazole-induced epileptic seizure. 2013 , 13, 242-7	10
377	Neuroprotective effect of Ziziphus spina-christi on brain injury induced by transient global cerebral ischemia and reperfusion in rat. 2017 , 12, 69	3

376	Exacerbation of Brain Injury by Post-Stroke Exercise Is Contingent Upon Exercise Initiation Timing. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 311	6.1	24
375	Anti-Inflammatory and Neuroprotective Effects of Co-UltraPEALut in a Mouse Model of Vascular Dementia. <i>Frontiers in Neurology</i> , 2017 , 8, 233	4.1	36
374	Alteration in Intracellular Zn Homeostasis as a Result of TRPM2 Channel Activation Contributes to ROS-Induced Hippocampal Neuronal Death. 2017 , 10, 414		24
373	Novel Therapeutic Effects of Leonurine On Ischemic Stroke: New Mechanisms of BBB Integrity. 2017 , 2017, 7150376		34
372	The Interrelation between Reactive Oxygen Species and Autophagy in Neurological Disorders. 2017 , 2017, 8495160		43
371	Lifestyle Modulators of Neuroplasticity: How Physical Activity, Mental Engagement, and Diet Promote Cognitive Health during Aging. 2017 , 2017, 3589271		115
370	NOX Inhibitors - A Promising Avenue for Ischemic Stroke. 2017 , 26, 195-205		31
369	Non-Exertional Heatstroke: A Case Report and Review of the Literature. 2017 , 18, 1058-1065		4
368	Role of Matrix Metalloproteinases in Brain Edema. 2017 , 199-215		2
367	Effects of pretreatment with methanol extract of Peucedani Radix on transient ischemic brain injury in mice. 2017 , 12, 30		5
366	Protective effect of grifolin against brain injury in an acute cerebral ischemia rat model. 2017 , 16, 1299		2
365	Ginkgolide K attenuates neuronal injury after ischemic stroke by inhibiting mitochondrial fission and GSK-3 β -dependent increases in mitochondrial membrane permeability. 2017 , 8, 44682-44693		42
364	Neuroprotective effect of Silibinin against middle cerebral artery occlusion induced focal cerebral ischemia and brain injury in Wistar rats. 2017 , 9, 10-15		2
363	Thevetiaflavone from Wikstroemia indica ameliorates PC12 cells injury induced by OGD/R via improving ROS-mediated mitochondrial dysfunction. 2017 , 16, 9197-9202		10
362	Tagging Functional Polymorphism in 3' Untranslated Region of Methylene Tetrahydrofolate Reductase and Risk of Ischemic Stroke. 2018 , 46, 1019-1026		6
361	Environmental enrichment reduces cocaine neurotoxicity during cocaine-conditioned place preference in male rats. 2018 , 169, 10-15		8
360	The Neuroprotective Effects of Thymoquinone: A Review. 2018 , 16, 1559325818761455		56
359	Neuroprotective effect of Citrus kawachiensis (Kawachi Bankan) peels, a rich source of naringin, against global cerebral ischemia/reperfusion injury in mice. 2018 , 82, 1216-1224		17

358	Nitric Oxide and Mitochondrial Function in Neurological Diseases. 2018 , 376, 48-71	48
357	Neurochemical changes in unilateral cerebral hemisphere during the subacute stage of focal cerebral ischemia-reperfusion in rats: An ex vivo H magnetic resonance spectroscopy study. 2018 , 1684, 67-74	11
356	Disorders of the Neurologic System. 2018 , 580-708	4
355	Klotho upregulation contributes to the neuroprotection of ligustilide against cerebral ischemic injury in mice. 2018 , 820, 198-205	17
354	miRNA-3473b contributes to neuroinflammation following cerebral ischemia. 2018 , 9, 11	55
353	Anagliptin inhibits neointimal hyperplasia after balloon injury via endothelial cell-specific modulation of SOD-1/RhoA/JNK signaling in the arterial wall. 2018 , 121, 105-116	15
352	Targeting RNS/caveolin-1/MMP signaling cascades to protect against cerebral ischemia-reperfusion injuries: potential application for drug discovery. 2018 , 39, 669-682	29
351	Protection of the rat brain from hypothermic circulatory arrest injury by a chipmunk protein. 2018 , 156, 525-536	3
350	Diverse roles of mitochondria in ischemic stroke. 2018 , 16, 263-275	165
349	Arachidonic acid attenuates brain damage in a rat model of ischemia/reperfusion by inhibiting inflammatory response and oxidative stress. 2018 , 37, 135-141	12
348	A brain-specific isoform of apoptosis-inducing factor 2 attenuates ischemia-induced oxidative stress in HT22 cells. 2018 , 112, 179-186	5
347	Neuroprotective effects of orientin on oxygen-glucose deprivation/reperfusion-induced cell injury in primary culture of rat cortical neurons. 2018 , 243, 78-86	14
346	Inotodiol protects PC12 cells against injury induced by oxygen and glucose deprivation/restoration through inhibiting oxidative stress and apoptosis. 2018 , 16, 126-132	11
345	Neuroprotective effect of the ethanol extract of <i>Artemisia capillaris</i> on transient forebrain ischemia in mice via nicotinic cholinergic receptor. 2018 , 16, 428-435	5
344	A Review on Possible Therapeutic Effect of <i>Nigella sativa</i> and Thymoquinone in Neurodegenerative Diseases. 2018 , 17, 412-420	27
343	The Effects of a Combination of Ion Channel Inhibitors in Female Rats Following Repeated Mild Traumatic Brain Injury. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3 11
342	Identification of Proteins Differentially Expressed in the Striatum by Melatonin in a Middle Cerebral Artery Occlusion Rat Model-a Proteomic and Approach. 2018 , 12, 888	36
341	Bilirubin-Induced Oxidative Stress Leads to DNA Damage in the Cerebellum of Hyperbilirubinemic Neonatal Mice and Activates DNA Double-Strand Break Repair Pathways in Human Cells. 2018 , 2018, 1801243	22

340	rs11018628 polymorphism associates with a decreased risk and better short-term recovery of ischemic stroke. 2018 , 16, 5258-5264		7
339	TRPC1 Deficiency Exacerbates Cerebral Ischemia/Reperfusion-Induced Neurological Injury by Potentiating Nox4-Derived Reactive Oxygen Species Generation. 2018 , 51, 1723-1738		9
338	Complete inhibition of phosphatase and tensin homolog promotes the normal and oxygen-glucose deprivation/reperfusion-injured PC12 cells to cell death. 2018 , 10, 83-89		2
337	The Role of Circular RNAs in Cerebral Ischemic Diseases: Ischemic Stroke and Cerebral Ischemia/Reperfusion Injury. 2018 , 1087, 309-325		42
336	Magnolol protects against ischemic-reperfusion brain damage following oxygen-glucose deprivation and transient focal cerebral ischemia. 2018 , 41, 2252-2262		8
335	Arctigenin Attenuates Ischemia/Reperfusion Induced Ventricular Arrhythmias by Decreasing Oxidative Stress in Rats. 2018 , 49, 728-742		27
334	Depressed mitochondrial function and electron transport Complex II-mediated HO production in the cortex of type 1 diabetic rodents. 2018 , 90, 49-59		11
333	Prohibitin is a positive modulator of mitochondrial function in PC12 cells under oxidative stress. 2018 , 146, 235-250		15
332	Inhibition of PTEN protects PC12 cells against oxygen-glucose deprivation induced cell death through mitoprotection. 2018 , 1692, 100-109		26
331	Effects of Vitamin D3 on the NADPH Oxidase and Matrix Metalloproteinase 9 in an Animal Model of Global Cerebral Ischemia. 2018 , 2018, 3273654		19
330	GRP78 Promotes Neural Stem Cell Antiapoptosis and Survival in Response to Oxygen-Glucose Deprivation (OGD)/Reoxygenation through PI3K/Akt, ERK1/2, and NF-B/p65 Pathways. 2018 , 2018, 3541807		11
329	Ceramide and Ischemia/Reperfusion Injury. 2018 , 2018, 3646725		17
328	Cerebral Ischemic Reperfusion Injuries (CIRI). 2018 ,		
327	Oxidative Stress and Nitric Oxide in Cerebral Ischemic Reperfusion Injury. 2018 , 101-119		1
326	Nesfatin-1 Improve Spatial Memory Impairment Following Transient Global Cerebral Ischemia/Reperfusion via Inhibiting Microglial and Caspase-3 Activation. 2018 , 65, 377-384		26
325	Effect of Chronic Oxidative Stress on Neuroinflammatory Response Mediated by CD4T Cells in Neurodegenerative Diseases. <i>Frontiers in Cellular Neuroscience</i> , 2018 , 12, 114	6.1	150
324	Combined Treatment With Dichloroacetic Acid and Pyruvate Reduces Hippocampal Neuronal Death After Transient Cerebral Ischemia. <i>Frontiers in Neurology</i> , 2018 , 9, 137	4.1	10
323	Protective Effects of L-902,688, a Prostanoid EP4 Receptor Agonist, against Acute Blood-Brain Barrier Damage in Experimental Ischemic Stroke. 2018 , 12, 89		20

322	AMPA Receptor Antagonist Perampanel Ameliorates Post-Stroke Functional and Cognitive Impairments. 2018 , 386, 256-264	19
321	Discovery of Neuroprotective Antioxidants for the Management of Ischemic Brain Stroke. 2018 , 377-399	1
320	Black Rice (., Poaceae) Extract Reduces Hippocampal Neuronal Cell Death Induced by Transient Global Cerebral Ischemia in Mice. 2018 , 27, 129-138	6
319	Combination Therapy with LXW7 and Ceria Nanoparticles Protects against Acute Cerebral Ischemia/Reperfusion Injury in Rats. 2018 , 38, 144-152	18
318	Inflammatory Mechanisms in Ischemic Cerebrovascular Disease. 2018 , 379-411	2
317	The protective effect of melatonin on brain ischemia and reperfusion in rats and humans: In vivo assessment and a randomized controlled trial. 2018 , 65, e12521	54
316	Attenuation of stroke damage by angiotensin II type 2 receptor stimulation via peroxisome proliferator-activated receptor-gamma activation. 2018 , 41, 839-848	13
315	Perioperative Management of Severe Traumatic Brain Injury: What Is New?. 2018 , 8, 279-289	19
314	DJ-1 based peptide, ND-13, promote functional recovery in mouse model of focal ischemic injury. 2018 , 13, e0192954	9
313	Protective Effects of Curcumin Against Ischemia-Reperfusion Injury in the Nervous System. 2019 , 56, 1391-1404	41
312	Neuroprotective Effects of Dehydroepiandrosterone Sulfate Through Inhibiting Expression of Matrix Metalloproteinase-9 from Bradykinin-Challenged Astroglia. 2019 , 56, 736-747	5
311	Chemical characterization of polysaccharides isolated from scrophularia ningpoensis and its protective effect on the cerebral ischemia/reperfusion injury in rat model. 2019 , 139, 955-966	11
310	Scoparone protects neuronal cells from oxygen glucose deprivation/reoxygenation injury.. 2019 , 9, 2302-2308	3
309	Isotope Exchange of Deuterium for Protium in Rat Brain Tissues Changes Brain Tolerance to Hypoxia. 2019 , 64, 272-278	8
308	Pretreatment of Populus tomentiglandulosa protects hippocampal CA1 pyramidal neurons from ischemia-reperfusion injury in gerbils via increasing SODs expressions and maintaining BDNF and IGF-I expressions. 2019 , 17, 424-434	9
307	Neuropathology and Pathophysiology of Stroke. 2019 , 1-37	0
306	Role of reactive oxygen species at reperfusion stage in isoflurane preconditioning-induced neuroprotection. 2019 , 1723, 146405	4
305	Exogenous adenosine facilitates neuroprotection and functional recovery following cerebral ischemia in rats. 2019 , 153, 250-256	9

304	Risperidone Treatment after Transient Ischemia Induces Hypothermia and Provides Neuroprotection in the Gerbil Hippocampus by Decreasing Oxidative Stress. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	5
303	Changes in the levels of 12/15-lipoxygenase, apoptosis-related proteins and inflammatory factors in the cortex of diabetic rats and the neuroprotection of baicalein. 2019 , 134, 239-247		13
302	Specific treatment of acute ischemic stroke. 2019 , 587-656		1
301	A window into the brain: Tools to assess pre-clinical efficacy of biomaterials-based therapies on central nervous system disorders. 2019 , 148, 68-145		16
300	Antioxidant Properties of Fucoidan Alleviate Acceleration and Exacerbation of Hippocampal Neuronal Death Following Transient Global Cerebral Ischemia in High-Fat Diet-Induced Obese Gerbils. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	24
299	Real-time monitoring of peroxynitrite (ONOO) in the rat brain by developing a ratiometric electrochemical biosensor. 2019 , 144, 2150-2157		17
298	Effects of PPAR- α agonist, pioglitazone on brain tissues oxidative damage and learning and memory impairment in juvenile hypothyroid rats. 2019 , 129, 1024-1038		9
297	Calcitriol protects the Blood-Brain Barrier integrity against ischemic stroke and reduces vasogenic brain edema via antioxidant and antiapoptotic actions in rats. 2019 , 150, 281-289		14
296	Antioxidative nanomaterials and biomedical applications. 2019 , 27, 146-177		62
295	Evaluation of brain SERT with 4-[F]-ADAM/micro-PET and hearing protective effects of dextromethorphan in hearing loss rat model. 2019 , 378, 114604		2
294	Heterogeneity of GRIM-19 Expression in the Adult Mouse Brain. 2019 , 39, 935-951		2
293	Protective effects of leonurine against ischemic stroke in mice by activating nuclear factor erythroid 2-related factor 2 pathway. 2019 , 25, 1006-1017		15
292	Neuroprotective effects of targeting BET proteins for degradation with dBET1 in aged mice subjected to ischemic stroke. 2019 , 127, 94-102		18
291	Evaluation of the neuroprotective and antioxidant effects of Dorema aucheri extract on cerebral ischaemia-reperfusion injury in rats. 2019 , 57, 255-262		7
290	Enolase1 Alleviates Cerebral Ischemia-Induced Neuronal Injury via Its Enzymatic Product Phosphoenolpyruvate. 2019 , 10, 2877-2889		4
289	Novel miRNA PC-5P-12969 in Ischemic Stroke. 2019 , 56, 6976-6985		19
288	microRNA-196a attenuates ischemic brain injury in rats by directly targeting high mobility group A1. 2019 , 17, 1579-1586		2
287	Mechanisms of Acupuncture Therapy for Simple Obesity: An Evidence-Based Review of Clinical and Animal Studies on Simple Obesity. <i>Evidence-based Complementary and Alternative Medicine</i> , 2019 , 2019, 5796381	2.3	8

286	Dexmedetomidine Protects Against Neurological Dysfunction in a Mouse Intracerebral Hemorrhage Model by Inhibiting Mitochondrial Dysfunction-Derived Oxidative Stress. 2019 , 28, 1281-1289	28
285	Chiral resolution and neuroprotective activities of enantiomeric dihydrobenzofuran neolignans from the fruit of <i>Crataegus pinnatifida</i> . 2019 , 85, 469-474	7
284	Tat-CIAPIN1 inhibits hippocampal neuronal cell damage through the MAPK and apoptotic signaling pathways. 2019 , 135, 68-78	17
283	A critical role of the transient receptor potential melastatin 2 channel in a positive feedback mechanism for reactive oxygen species-induced delayed cell death. 2019 , 234, 3647-3660	20
282	Protective Effects of Duloxetine against Cerebral Ischemia-Reperfusion Injury via Transient Receptor Potential Melastatin 2 Inhibition. 2019 , 368, 246-254	9
281	APC-Cdh1 Regulates Neuronal Apoptosis Through Modulating Glycolysis and Pentose-Phosphate Pathway After Oxygen-Glucose Deprivation and Reperfusion. 2019 , 39, 123-135	10
280	Maresin 1 attenuates the inflammatory response and mitochondrial damage in mice with cerebral ischemia/reperfusion in a SIRT1-dependent manner. 2019 , 1711, 83-90	26
279	Neuro-protective role of nanocapsulated curcumin against cerebral ischemia-reperfusion induced oxidative injury. 2019 , 1704, 164-173	34
278	Hypothesis related to the regulation of inducible nitric oxide synthase during carotid endarterectomy. 2019 , 122, 16-18	3
277	Glucocalyxin B protects against oxygen-glucose-deprivation/reperfusion-induced neuronal injury in PC-12 cells. 2019 , 120, 6137-6144	7
276	Recurrent Hypoglycemia Exacerbates Cerebral Ischemic Damage in Diabetic Rats via Enhanced Post-Ischemic Mitochondrial Dysfunction. 2019 , 10, 78-90	13
275	Cerium Oxide Nanoparticles Improve Outcome after and Mild Traumatic Brain Injury. 2020 , 37, 1452-1462	31
274	Antioxidant enzymes expression in lymphocytes of patients undergoing carotid endarterectomy. 2020 , 134, 109419	1
273	Enhancement of antioxidative activity of astaxanthin by combination with an antioxidant capable of forming intermolecular interactions. 2020 , 54, 818-828	2
272	TRPM2 channel: A novel target for alleviating ischaemia-reperfusion, chronic cerebral hypo-perfusion and neonatal hypoxic-ischaemic brain damage. 2020 , 24, 4-12	15
271	Dynamic Alterations of Brain Injury, Functional Recovery, and Metabolites Profile after Cerebral Ischemia/Reperfusion in Rats Contributes to Potential Biomarkers. 2020 , 70, 667-676	7
270	Tannic acid-based nanogel as an efficient anti-inflammatory agent. 2020 , 8, 1148-1159	41
269	Analysis of knowledge bases and research focuses of cerebral ischemia-reperfusion from the perspective of mapping knowledge domain. 2020 , 156, 15-24	21

268	An Extremely Low Frequency Magnetic Field and Global Cerebral Ischemia Affect Pituitary ACTH and TSH Cells in Gerbils. 2020 , 41, 91-103	0
267	The Sphkl/SIP pathway regulates angiogenesis via NOS/NO synthesis following cerebral ischemia-reperfusion. 2020 , 26, 538-548	9
266	SIRT2 inhibition activates hypoxia-inducible factor 1 β signaling and mediates neuronal survival. 2020 , 529, 957-962	2
265	Silymarin and neurodegenerative diseases: Therapeutic potential and basic molecular mechanisms. 2020 , 79, 153320	3
264	The Role of Transient Receptor Potential Channels in Blood-Brain Barrier Dysfunction after Ischemic Stroke. 2020 , 131, 110647	4
263	Neuroprotective effects of 5-aminolevulinic acid against neurodegeneration in rat models of Parkinson's disease and stroke. 2020 , 144, 183-187	1
262	Maternal Spirulina supplementation during pregnancy and lactation partially prevents oxidative stress, glial activation and neuronal damage in protein malnourished F1 progeny. 2020 , 141, 104877	6
261	Longitudinal multiparametric MRI study of hydrogen-enriched water with minocycline combination therapy in experimental ischemic stroke in rats. 2020 , 1748, 147122	1
260	Neuroprotective effects of 1-O-hexyl-2,3,5-trimethylhydroquinone on ischaemia/reperfusion-induced neuronal injury by activating the Nrf2/HO-1 pathway. 2020 , 24, 10468-10477	7
259	Morin protects the blood-brain barrier integrity against cerebral ischemia reperfusion through anti-inflammatory actions in rats. 2020 , 10, 13379	15
258	Quinolone and isoquinolone alkaloids: the structural-electronic effects and the antioxidant mechanisms. 2020 , 31, 2435-2450	10
257	Cross Talk Between Ferroptosis and Cerebral Ischemia. 2020 , 14, 776	10
256	CTRP3 Activates the AMPK/SIRT1-PGC-1 β Pathway to Protect Mitochondrial Biogenesis and Functions in Cerebral Ischemic Stroke. 2020 , 45, 3045-3058	9
255	Genetically modified macrophages accomplish targeted gene delivery to the inflamed brain in transgenic Parkin Q311X(A) mice: importance of administration routes. 2020 , 10, 11818	4
254	Neuroprotective Effects of Casein-Derived Peptide Met-Lys-Pro (MKP) in a Hypertensive Model. 2020 , 14, 845	2
253	The Role of Mitochondria in Brain Cell Protection from Ischaemia by Differently Prepared Propolis Extracts. 2020 , 9,	2
252	Novel proton exchange rate MRI presents unique contrast in brains of ischemic stroke patients. 2020 , 346, 108926	3
251	TRPM2 channel-mediated cell death: An important mechanism linking oxidative stress-inducing pathological factors to associated pathological conditions. 2020 , 37, 101755	13

250	Natural compounds as inhibitors of transthyretin amyloidosis and neuroprotective agents: analysis of structural data for future drug design. 2020 , 35, 1145-1162		23
249	Oxidative Stress and Immune System Dysfunction in Autism Spectrum Disorders. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	45
248	Microglial and Astrocytic Function in Physiological and Pathological Conditions: Estrogenic Modulation. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	9
247	Role of neuronal nitric oxide synthase on cardiovascular functions in physiological and pathophysiological states. 2020 , 102, 52-73		16
246	Design and development of novel thiazolidin-4-one-1,3,5-triazine derivatives as neuro-protective agent against cerebral ischemia-reperfusion injury in mice via attenuation of NF- κ B. 2020 , 96, 1315-1327		1
245	Neuroprotective effect of Umbelliferone against Cerebral ischemia/Reperfusion induced neurological deficits: and studies. 2021 , 39, 4715-4725		5
244	Rottlerin, a natural polyphenol compound, inhibits upregulation of matrix metalloproteinase-9 and brain astrocytic migration by reducing PKC- δ -dependent ROS signal. 2020 , 17, 177		7
243	Activation of GPR35 protects against cerebral ischemia by recruiting monocyte-derived macrophages. 2020 , 10, 9400		4
242	Dancing with reactive oxygen species generation and elimination in nanotheranostics for disease treatment. 2020 , 158, 73-90		41
241	Neuroprotective Role of Oral Vitamin D Supplementation on Consciousness and Inflammatory Biomarkers in Determining Severity Outcome in Acute Traumatic Brain Injury Patients: A Double-Blind Randomized Clinical Trial. 2020 , 40, 327-334		14
240	Ischemia-Triggered Glutamate Excitotoxicity From the Perspective of Glial Cells. <i>Frontiers in Cellular Neuroscience</i> , 2020 , 14, 51	6.1	79
239	Effect of Acupuncture on Oxidative Stress Induced by Cerebral Ischemia-Reperfusion Injury. 2020 , 9,		6
238	The circadian nuclear receptor ROR α negatively regulates cerebral ischemia-reperfusion injury and mediates the neuroprotective effects of melatonin. 2020 , 1866, 165890		8
237	Medicinal Plant Polyphenols Attenuate Oxidative Stress and Improve Inflammatory and Vasoactive Markers in Cerebral Endothelial Cells during Hyperglycemic Condition. 2020 , 9,		15
236	JAK2/STAT3 involves oxidative stress-induced cell injury in N2a cells and a rat MCAO model. 2020 , 130, 1142-1150		2
235	Hypoxia-Induced Degenerative Protein Modifications Associated with Aging and Age-Associated Disorders. 2020 , 11, 341-364		17
234	Melatonin's efficacy in stroke patients; a matter of dose? A systematic review. 2020 , 392, 114933		10
233	Integrated analysis of the proteome and transcriptome in a MCAO mouse model revealed the molecular landscape during stroke progression. 2020 , 24, 13-27		10

232	Observing Malondialdehyde-Mediated Signaling Pathway in Cerebral Ischemia Reperfusion Injury with a Specific Nanolight. 2020 , 92, 2748-2755	8
231	Trigonelline protects hippocampal neurons from oxygen-glucose deprivation-induced injury through activating the PI3K/Akt pathway. 2020 , 317, 108946	15
230	Modulation of oxidative stress, inflammatory and apoptotic response by curcumin against cerebral ischemia reperfusion injury in a mouse model. 2020 , 21, 100741	3
229	Vinpocetine Protects Against Cerebral Ischemia-Reperfusion Injury by Targeting Astrocytic Connexin43 via the PI3K/AKT Signaling Pathway. 2020 , 14, 223	24
228	Tat-Biliverdin Reductase A Exerts a Protective Role in Oxidative Stress-Induced Hippocampal Neuronal Cell Damage by Regulating the Apoptosis and MAPK Signaling. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3 7
227	Refocusing the Brain: New Approaches in Neuroprotection Against Ischemic Injury. 2021 , 46, 51-63	8
226	Impact of aging and comorbidities on ischemic stroke outcomes in preclinical animal models: A translational perspective. 2021 , 335, 113494	12
225	MicroRNA mediated regulation of the major redox homeostasis switch, Nrf2, and its impact on oxidative stress-induced ischemic/reperfusion injury. 2021 , 698, 108725	12
224	The 5-HT receptor as a serotonergic target for neuroprotection in cerebral ischemia. 2021 , 109, 110210	3
223	Dietary docosahexaenoic acid inhibits neurodegeneration and prevents stroke. 2021 , 99, 561-572	7
222	Elevated post-ischemic ubiquitination results from suppression of deubiquitinase activity and not proteasome inhibition. 2021 , 78, 2169-2183	4
221	Targeted nano-delivery strategies for facilitating thrombolysis treatment in ischemic stroke. 2021 , 28, 357-371	9
220	Effects of narrow-band UVB on nasal symptom and upregulation of histamine H receptor mRNA in allergic rhinitis model rats. 2021 , 6, 34-41	1
219	Neuroprotective effects of zonisamide on cerebral ischemia injury via inhibition of neuronal apoptosis. 2021 , 54, e10498	3
218	Experimental pretreatment with YES-10, a plant extract rich in scutellarin and chlorogenic acid, protects hippocampal neurons from ischemia/reperfusion injury via antioxidant role. 2021 , 21, 183	1
217	Simultaneous single cell measurements of intranuclear proteins and gene expression.	9
216	The Role of Natural Antioxidants in the Prevention of Dementia-Where Do We Stand and Future Perspectives. 2021 , 13,	9
215	Nanodelivery of traditional Chinese Ginkgo Biloba extract EGb-761 and bilobalide BN-52021 induces superior neuroprotective effects on pathophysiology of heat stroke. 2021 , 265, 249-315	

214	Narrative review of stem cell therapy for ischemic brain injury. 2021 , 10, 435-445		0
213	SSAO/VAP-1 in Cerebrovascular Disorders: A Potential Therapeutic Target for Stroke and Alzheimer's Disease. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	5
212	Taurine Protects against Postischemic Brain Injury via the Antioxidant Activity of Taurine Chloramine. 2021 , 10,		4
211	Single-Nucleotide Polymorphisms in Oxidative Stress-Related Genes and the Risk of a Stroke in a Polish Population-A Preliminary Study. 2021 , 11,		3
210	Protective Role of Transduced Tat-Thioredoxin1 (Trx1) against Oxidative Stress-Induced Neuronal Cell Death via ASK1-MAPK Signal Pathway. 2021 , 29, 321-330		2
209	Withania coagulans extract attenuates oxidative stress-mediated apoptosis of cerebellar purkinje neurons after ischemia/reperfusion injury. 2021 , 36, 1699-1708		1
208	Novel arylidene malonate derivative, KM-34, showed neuroprotective effects on in vitro and in vivo models of ischemia/reperfusion. 2021 , 899, 174025		1
207	Acid Ceramidase Protects Against Hepatic Ischemia/Reperfusion Injury by Modulating Sphingolipid Metabolism and Reducing Inflammation and Oxidative Stress. 2021 , 9, 633657		0
206	Crosstalk between Oxidative Stress and Ferroptosis/Oxytosis in Ischemic Stroke: Possible Targets and Molecular Mechanisms. 2021 , 2021, 6643382		9
205	Nanoparticles of resveratrol attenuates oxidative stress and inflammation after ischemic stroke in rats. 2021 , 94, 107494		10
204	Blood-Based Biomarkers: A Forgotten Friend of Hyperacute Ischemic Stroke. <i>Frontiers in Neurology</i> , 2021 , 12, 634717	4.1	
203	Pyrroloquinoline quinone alleviates oxidative damage induced by high glucose in HepG2 cells. 2021 , 28, 6127-6132		1
202	Advancement in research on the role of the transient receptor potential vanilloid channel in cerebral ischemic injury (Review). 2021 , 22, 881		2
201	Diagnostic and prognostic blood biomarkers in vascular dementia: From the viewpoint of ischemic stroke. 2021 , 146, 105015		5
200	The significance of the oxidative stress markers in the one-year prognosis of patients with acute ischemic stroke: a case-control study. 2021 , 21, 258		3
199	Oxidation of hexacyanoferrate(II) ion by hydrogen peroxide: evidence of free radical intermediacy. 2021 , 133, 631		
198	Differences between antioxidant defense parameters and specific trace element concentrations in healthy, benign, and malignant brain tissues. 2021 , 11, 14766		0
197	Brain vulnerability and viability after ischaemia. 2021 , 22, 553-572		8

196	Recent advances in nanomedicines for the treatment of ischemic stroke. 2021 , 11, 1767-1788	18
195	Effect of Mild Hypothermia on the Catalytic Characteristics of Synaptic Acetylcholinesterase during Subtotal Global Cerebral Ischemia in Rats. 2021 , 15, 282-291	
194	Combination of cell-penetrating peptides with nanomaterials for the potential therapeutics of central nervous system disorders: a review. 2021 , 19, 255	12
193	Macrophage-Disguised Manganese Dioxide Nanoparticles for Neuroprotection by Reducing Oxidative Stress and Modulating Inflammatory Microenvironment in Acute Ischemic Stroke. 2021 , 8, e2101526	23
192	In vitro fertilization exacerbates stroke size and neurological disability in wildtype mice. 2021 , 343, 92-101	1
191	Effect of Fractions from <i>Lycopus lucidus</i> Turcz. Leaves on Genomic DNA Oxidation and Matrix Metalloproteinase Activity. 2021 ,	
190	Signal Generation, Acquisition, and Processing in Brain Machine Interfaces: A Unified Review. 2021 , 15, 728178	0
189	Targeting neuroinflammation to treat cerebral ischemia - The role of TIGAR/NADPH axis. 2021 , 148, 105081	0
188	The neuroprotective role of morroniside against spinal cord injury in female rats. 2021 , 148, 105105	1
187	Role of glucose 6-phosphate dehydrogenase (G6PD) deficiency and its association to Autism Spectrum Disorders. 2021 , 1867, 166185	0
186	Inflammation and Immune Response. 2022 , 117-128.e5	0
185	An online, non-destructive method for simultaneously detecting chemical, biological, and physical properties of herbal injections using hyperspectral imaging with artificial intelligence. 2022 , 264, 120250	0
184	Reactive Oxygen Species: Beyond Their Reactive Behavior. 2021 , 46, 77-87	14
183	Bilateral Common Carotid Artery Occlusion: Stroke Model. 2021 , 41-56	
182	TRPM2 in ischemic stroke: Structure, molecular mechanisms, and drug intervention. 2021 , 15, 136-154	6
181	Protective Effects of Antioxidant Polyphenols against Hyperglycemia-Mediated Alterations in Cerebral Endothelial Cells and a Mouse Stroke Model. 2020 , 64, e1900779	14
180	PARP and the Release of Apoptosis-Inducing Factor from Mitochondria. 2006 , 103-117	3
179	Nitric Oxide Synthases in Brain Function. 2006 , 223-247	1

178	iNOS and COX-2 in Ischemic Stroke. 2007 , 33-45		3
177	The Role of Glia in Excitotoxicity and Stroke. 2007 , 145-164		3
176	Brain Edema in Neurological Diseases. 2011 , 125-168		2
175	Neuroglobin: A Novel Target for Endogenous Neuroprotection. 2012 , 353-372		1
174	Magnesium in Acute Brain Injury. 2012 , 445-460		1
173	Intrinsic Neuroprotection in Traumatic Brain Injury. 2013 , 499-519		1
172	White Matter Injury After Experimental Intracerebral Hemorrhage. 2014 , 219-256		1
171	NADPH Oxidases and Blood-Brain Barrier Dysfunction in Stroke. 2010 , 211-230		1
170	Magnesium and Traumatic Brain Injury. 2013 , 255-267		1
169	Metalloporphyrin in CNS Injuries. 2016 , 541-561		2
168	Insights into Mechanisms of Blood-Brain Barrier Permeability [Roles of Free Radicals, Matrix Metalloproteinases, and Caveolin-1. 2014 , 2049-2067		2
167	Oxidative Stress and Neuronal Zinc Signaling. 2014 , 55-87		2
166	Apoptosis in Cerebral Ischemia. 2004 , 855-866		2
165	Disorders of the Neurologic System. 2004 , 533-665		4
164	Mild Hypothermia Reduces Zinc Translocation, Neuronal Cell Death, and Mortality After Transient Global Ischemia in Mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 1231-1238	7-3	12
163	STAT1 Is Activated in Neurons After Ischemia and Contributes to Ischemic Brain Injury. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2002 , 1311-1318	7-3	36
162	Cortical Spreading Depression Causes a Long-Lasting Decrease in Cerebral Blood Flow and Induces Tolerance to Permanent Focal Ischemia in Rat Brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2003 , 43-50	7-3	21
161	Spreading depolarization and repolarization during cardiac arrest as an ultra-early marker of neurological recovery in a preclinical model.		3

160	Methylene Tetrahydrofolate Reductase (MTHFR) rs868014 Polymorphism Regulated by miR-1203 Associates with Risk and Short Term Outcome of Ischemic Stroke. 2017 , 41, 701-710	14
159	Oxidative stress, cell cycle, and neurodegeneration. 2003 , 111, 785-93	157
158	Protective Effects of Astragaloside IV Combined with Budesonide in Bronchitis in Rats by Regulation of Nrf2/Keap1 Pathway. 2018 , 24, 8481-8488	6
157	Two distinct modes of hypoosmotic medium-induced release of excitatory amino acids and taurine in the rat brain in vivo. 2008 , 3, e3543	50
156	Crosstalk between JNK and SUMO signaling pathways: deSUMOylation is protective against H ₂ O ₂ -induced cell injury. 2011 , 6, e28185	42
155	Extremely low frequency magnetic field (50 Hz, 0.5 mT) reduces oxidative stress in the brain of gerbils submitted to global cerebral ischemia. 2014 , 9, e88921	23
154	Peroxisome proliferator-activated receptor-alpha activation as a mechanism of preventive neuroprotection induced by chronic fenofibrate treatment. 2003 , 23, 6264-71	190
153	Polyhydroxylated fullerene nanoparticles attenuate brain infarction and oxidative stress in rat model of ischemic stroke. 2016 , 15, 378-90	28
152	Hydroalcoholic Extract of <i>Ferulago angulata</i> Improves Memory and Pain in Brain Hypoperfusion Ischemia in Rats. 2015 , 10, e17451	8
151	Opoid receptor activation protects against Parkinson's disease-related mitochondrial dysfunction by enhancing PINK1/Parkin-dependent mitophagy. 2020 , 12, 25035-25059	4
150	The components of Huang-Lian-Jie-Du-Decoction act synergistically to exert protective effects in a rat ischemic stroke model. 2016 , 7, 80872-80887	30
149	Liraglutide activates autophagy GLP-1R to improve functional recovery after spinal cord injury. 2017 , 8, 85949-85968	17
148	Innate inflammatory responses in stroke: mechanisms and potential therapeutic targets. 2014 , 21, 2076-97	164
147	Inflammatory responses in brain ischemia. 2015 , 22, 1258-77	150
146	Rutin as Neuroprotective Agent: From Bench to Bedside. 2019 , 26, 5152-5164	26
145	A Review on the Most Important Medicinal Plants Effective in Cardiac Ischemia-Reperfusion Injury. 2019 , 25, 352-358	8
144	Ischemic and oxidative damage to the hypothalamus may be responsible for heat stroke. <i>Current Neuropharmacology</i> , 2013 , 11, 129-40	7.6 50
143	One-Compound-Multi-Target: Combination Prospect of Natural Compounds with Thrombolytic Therapy in Acute Ischemic Stroke. <i>Current Neuropharmacology</i> , 2017 , 15, 134-156	7.6 46

142	Caveolin-1 in Stroke Neuropathology and Neuroprotection: A Novel Molecular Therapeutic Target for Ischemic-Related Injury. 2019 , 17, 41-49		6
141	Stability, disposition, and penetration of catalytic antioxidants Mn-porphyrin and Mn-salen and of methylprednisolone in spinal cord injury. 2012 , 12, 122-30		9
140	Oxidative Stress in the Pathogenesis of Alzheimer's Disease and Cerebrovascular Disease with Therapeutic Implications. 2020 , 19, 94-108		9
139	[Effects of Qingkailing effective components on nuclear factor-kappa B in an ischemia-reperfusion injury model of rat brain microvascular endothelial cells in vitro]. 2009 , 7, 135-9		2
138	[Effects of the combination of active component extracts from Astragalus membranaceus and Panax notoginseng on apoptosis, reactive oxygen species and mitochondrial membrane potential of PC12 cells with oxidative injury]. 2012 , 10, 1127-34		8
137	Balinese Cultivar of Purple Sweet Potato Improved Neurological Score and BDNF and Reduced Caspase-Independent Apoptosis among Wistar Rats with Ischemic Stroke. 2019 , 7, 38-44		3
136	Chrysophanol Liposome Preconditioning Protects against Cerebral Ischemia-reperfusion Injury by Inhibiting Oxidative Stress and Apoptosis in Mice. 2013 , 10, 55-68		10
135	Biochemical Abnormalities in Brain Tissues during Acute Brain Stroke Induced in Wistar Rats. 2012 , 12, 121-130		3
134	Motor and cognitive deficits due to permanent cerebral hypoperfusion/ischemia improve by pomegranate seed extract in rats. 2014 , 17, 991-8		10
133	Protective effect of oxysophoridine on cerebral ischemia/reperfusion injury in mice. <i>Neural Regeneration Research</i> , 2013 , 8, 1349-59	4.5	9
132	Hexane Soluble Fraction of Chungpesagan-tang Exhibits Protective Effect against Hypoxia/Reoxygenation-Induced N2a Cell Damage. 2008 , 16, 377-384		1
131	Neuroprotective Effects of a Butanol Fraction of Rosa hybrida Petals in a Middle Cerebral Artery Occlusion Model. 2013 , 21, 454-61		11
130	Oxidative stress, melatonin level, and sleep insufficiency among electronic equipment repairers. 2010 , 14, 66-70		27
129	Protective effect of aqueous extract of Embelia ribes Burm fruits in middle cerebral artery occlusion-induced focal cerebral ischemia in rats. 2008 , 40, 215-20		16
128	Syringaldehyde exerts neuroprotective effect on cerebral ischemia injury in rats through anti-oxidative and anti-apoptotic properties. <i>Neural Regeneration Research</i> , 2014 , 9, 1884-90	4.5	10
127	Neuroprotective effects of daidzein on focal cerebral ischemia injury in rats. <i>Neural Regeneration Research</i> , 2015 , 10, 146-52	4.5	44
126	Exercise preconditioning exhibits neuroprotective effects on hippocampal CA1 neuronal damage after cerebral ischemia. <i>Neural Regeneration Research</i> , 2015 , 10, 1245-50	4.5	23
125	Monocarboxylate transporter 4 plays a significant role in the neuroprotective mechanism of ischemic preconditioning in transient cerebral ischemia. <i>Neural Regeneration Research</i> , 2015 , 10, 1604-14.5	4.5	10

124	Neuroprotection and antioxidants. <i>Neural Regeneration Research</i> , 2016 , 11, 865-74	4-5	68
123	Effect of ischemic preconditioning on antioxidant status in the gerbil hippocampal CA1 region after transient forebrain ischemia. <i>Neural Regeneration Research</i> , 2016 , 11, 1081-9	4-5	7
122	Neuroprotective effects of polysaccharides against oxidative stress-induced neuronal apoptosis. <i>Neural Regeneration Research</i> , 2017 , 12, 953-958	4-5	25
121	Rosmarinic acid elicits neuroprotection in ischemic stroke Nrf2 and heme oxygenase 1 signaling. <i>Neural Regeneration Research</i> , 2018 , 13, 2119-2128	4-5	45
120	Neuroprotection of L. orientin against cerebral ischemia/reperfusion induced brain injury. <i>Neural Regeneration Research</i> , 2020 , 15, 548-556	4-5	11
119	Effect of therapeutic hypothermia on chromosomal aberration in perinatal asphyxia. 2016 , 11, 25-8		2
118	Inhalation of high-concentration hydrogen gas attenuates cognitive deficits in a rat model of asphyxia induced-cardiac arrest. 2019 , 9, 122-126		4
117	Pathophysiology of Cerebral Ischemia: Role of Oxidative/Nitrosative Stress. 2019 , 07, 20-28		0
116	Neuroprotective Effects of Quercetin 3-O-Methyl Ether, Quercetin and (-)-Dihydroquercetin in a Rat Model of Transient Focal Cerebral Ischemia. 2012 , 33, 2443-2446		6
115	Protective effects of Tat-NQO1 against oxidative stress-induced HT-22 cell damage, and ischemic injury in animals. 2016 , 49, 617-622		15
114	Transduced Tat-aldose Reductase Protects Hippocampal Neuronal Cells against Oxidative Stress-induced Damage. 2019 , 28, 612-627		3
113	The application of cell penetrating peptides for the delivery of neuroprotective peptides/proteins in experimental cerebral ischaemia studies. 2009 , 2, 22-40		8
112	Uncoupling oxidative/energy metabolism with low sub chronic doses of 3-nitropropionic acid or iodoacetate in vivo produces striatal cell damage. 2010 , 6, 199-212		11
111	Protective Effect of an Ethanol Extract Mixture of Curcuma longae Radix, Phellinus linteus, and Scutellariae Radix on Oxidative Neuronal Damage. 2011 , 19, 31-37		5
110	Application of cardiac surgery techniques to improve the results of cardiopulmonary resuscitation after cardiac arrest: Controlled automated reperfusion of the whole body. 2021 ,		3
109	Preconditioning. 2001 , 57-70		
108	Ischaemia. 2002 , 337-403		
107	Redox regulation in neuronal damage during brain ischemia. 2002 , 45-56		

- 106 Experimental findings with important clinical implications for stroke treatment. **2003**, 269-282
- 105 Mitochondrial Cytochrome C- and Smac-Dependent Apoptosis in Cerebral Ischemia: Role of Oxidative Signaling. **2004**, 53-61
- 104 Genetically modified animals in molecular stroke research. **2004**, 89, 37-45 6
- 103 A Role for Cerebrovascular Endothelium in Ischemia and Reperfusion. **2004**, 121-132
- 102 Mild Brain Hypothermia Suppresses Oxygen Free Radicals in Patients with Neuroemergency: An Ex Vivo Electron Spin Resonance Study. **2004**, 94-97 2
- 101 Transgenic Mutants for the Investigation of Molecular Stroke Mechanisms. **2004**, 65-77
- 100 Can Tea Consumption Protect against Stroke?. **2004**,
- 99 Astrocyte-Neuronal Interaction and Oxidative Injury. **2004**, 221-235
- 98 Clinical Trials in Brain Injury After Cardiac Arrest. **2006**, 159-178
- 97 Molecular Biology of Brain Injury. **2009**, 1-12
- 96 The role of NADPH oxidase in brain ischemia. **2009**, 2, 41-45
- 95 Neurobiology of Postischemic Recuperation in the Aged Mammalian Brain. **2009**, 403-451
- 94 Oxidative Stress and Mitochondrial Dysfunction in Neurovascular Injury after Stroke (Neuroscience for the Development of Neurosurgery in the Near Future). **2011**, 20, 559-565
- 93 Intraoperative Cerebral Protection. **2011**, 3571-3580
- 92 Implication of Oxidative Stress and Labile Iron in the Molecular Mechanisms of Ischemic Stroke. **2012**, 255-271 1
- 91 Animal Models of Stroke for Preclinical Drug Development: A Comparative Study of Flavonols for Cytoprotection. **2012**, 493-524 1
- 90 Therapeutic Hypothermia in Neurocritical Care. **2013**, 743-754
- 89 Electrophysiological effects of bosentan in rats with induced cerebral ischemia-reperfusion. **2013**, 13, 175-9 1

- 88 Immune Cell-Derived Free Radicals in Acute Brain Injury. **2014**, 53-66
- 87 Oxidative Stress in White Matter Injury. **2014**, 505-520
- 86 Matrix Metalloproteinases in Ischemia/Reperfusion Injury in Brain: Antioxidants as Rescuer. **2014**, 67-91
- 85 Molecular Biology of Brain Injury: 2012. **2014**, 535-553
- 84 Antioxidants and Neuroprotection. **2014**, 2175-2189 1
- 83 Different Gene Products with a Similar Role in Neuronal Defense Against Oxidative Stress [Heme Oxygenase System. **2015**, 1-17
- 82 Effect of Persian Sage (*Salvia rhytidia*) Extract on Histomorphometric Changes of Cerebral Cortex and Hippocampus Following Ischemia-Reperfusion Injuries in Rat. **2016**, In Press,
- 81 Phytoalexins: Current and possible future applications in human health and diseases control. **2018**, 3, 1
- 80 Role of iNOS in Insulin Resistance and Endothelial Dysfunction. **2019**, 461-482 2
- 79 The role of medical gas in stroke: an updated review. **2019**, 9, 221-228 2
- 78 Effects of Snake Venom Pharmacopuncture on a Mouse model of Cerebral Infarction. **2019**, 36, 140-146
- 77 Protective Effect of the Ethanol Extract of Pomegranate Mesocarp on Isolated Rat Heart Following Ischemia and Reperfusion. **2019**, 4, 241-254
- 76 An Atlas of Phosphorylation and Proteolytic Processing Events During Excitotoxic Neuronal Death Reveals New Therapeutic Opportunities.
- 75 Cerebral ischemia in diabetics and oxidative stress. **2020**, 59-68
- 74 Therapeutic effects of syringaldehyde on spinal cord ischemia in rabbits. **2020**, 41, 341-350 0
- 73 Hyponatremia and Oxidative Stress. **2021**, 10, 1
- 72 Scavenging Free Iron Reduces Arteriolar Microvasospasms After Experimental Subarachnoid Hemorrhage. **2021**, 52, 4033-4042 2
- 71 Engagement of Proinflammatory Cytokines after Cerebral Ischemia. **2006**, 41-48

70	Neurodegeneration and Loss of Cell Cycle Control in Postmitotic Neurons. 2006 , 281-297		
69	Neuronal death/survival signaling pathways in cerebral ischemia. 2004 , 1, 17-25		
68	Apelin Receptor Signaling Protects GT1-7 GnRH Neurons Against Oxidative Stress In Vitro. 2020 , 1		4
67	Potential of immunosuppressive agents in cerebral ischaemia. <i>Indian Journal of Medical Research</i> , 2011 , 133, 15-26	2.9	6
66	Ceramide and mitochondria in ischemic brain injury. <i>International Journal of Biochemistry and Molecular Biology</i> , 2011 , 2, 347-61	0.4	34
65	Antioxidant Potential of Fagonia arabica against the Chemical Ischemia-Induced in PC12 Cells. <i>Iranian Journal of Pharmaceutical Research</i> , 2012 , 11, 303-13	1.1	10
64	CD38 plays key roles in both antioxidation and cell survival of H ₂ O ₂ -treated primary rodent astrocytes. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2014 , 6, 102-8	3.4	6
63	Effect of minocycline on cerebral ischemia-reperfusion injury. <i>Neural Regeneration Research</i> , 2013 , 8, 900-8	4.5	8
62	5-Hydroxymethylfurfural from wine-processed Fructus corni inhibits hippocampal neuron apoptosis. <i>Neural Regeneration Research</i> , 2013 , 8, 2605-14	4.5	3
61	Total flavonoid of Litsea coreana leve exerts anti-oxidative effects and alleviates focal cerebral ischemia/reperfusion injury. <i>Neural Regeneration Research</i> , 2013 , 8, 3193-202	4.5	7
60	Neuroprotective effects of total saponins from Rubus parvifolius L. on cerebral ischemia/reperfusion injury in rats. <i>Neural Regeneration Research</i> , 2012 , 7, 176-81	4.5	4
59	Resveratrol alleviates nerve injury after cerebral ischemia and reperfusion in mice by inhibiting inflammation and apoptosis. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 3219-26		30
58	Resveratrol attenuates inflammation and oxidative stress induced by myocardial ischemia-reperfusion injury: role of Nrf2/ARE pathway. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 10420-8		77
57	Atorvastatin attenuates inflammation and oxidative stress induced by ischemia/reperfusion in rat heart via the Nrf2 transcription factor. <i>International Journal of Clinical and Experimental Medicine</i> , 2015 , 8, 14837-45		10
56	Zinc wave during the treatment of hypoxia is required for initial reactive oxygen species activation in mitochondria. <i>International Journal of Physiology, Pathophysiology and Pharmacology</i> , 2016 , 8, 44-51	3.4	10
55	Protective effect of on brain tissues in cerebral ischemia. <i>American Journal of Translational Research (discontinued)</i> , 2016 , 8, 3963-3969	3	6
54	Extract Moderates COX-2 and IL-1[Proteins in a Rat Model of Cerebral Ischemia. <i>Iranian Journal of Medical Sciences</i> , 2017 , 42, 179-186	1.2	4
53	CYP1B1 deiciency ameliorates learning and memory deficits caused by high fat diet in mice. <i>American Journal of Translational Research (discontinued)</i> , 2019 , 11, 2194-2206	3	4

52	Neuropathology of Cerebral Ischemia. <i>The Neuroscience Journal of Shefaye Khatam</i> , 2021 , 9, 90-103	0.1	0
51	Curcumin nanoemulsion ameliorates brain injury in diabetic rats.. <i>Journal of Food Biochemistry</i> , 2022 , e14104	3.3	1
50	Synthesis, characterization, superoxide dismutase, and antimicrobial activities of Co (II) complexes with Schiff base ligand and their hybrid proteins. <i>Applied Organometallic Chemistry</i> ,	3.1	0
49	Mitochondrial Dysfunction as a Hallmark of Environmental Injury.. <i>Cells</i> , 2021 , 11,	7.9	6
48	Mechanisms of Vitamin C Regulating Immune and Inflammation Associated with Neonatal Hypoxic-Ischemic Encephalopathy Based on Network Pharmacology and Molecular Simulation Technology.. <i>Evidence-based Complementary and Alternative Medicine</i> , 2022 , 2022, 4904325	2.3	
47	Enhanced Antioxidant Effects of the Anti-Inflammatory Compound Probuocol When Released from Mesoporous Silica Particles.. <i>Pharmaceutics</i> , 2022 , 14,	6.4	1
46	Neonatal Arterial Ischaemic Stroke: Advances in Pathologic neural death, Diagnosis, Treatment, and Prognosis.. <i>Current Neuropharmacology</i> , 2022 ,	7.6	
45	Comparison of the Infant and Adult Adipose-Derived Mesenchymal Stem Cells in Proliferation, Senescence, Anti-oxidative Ability and Differentiation Potential.. <i>Tissue Engineering and Regenerative Medicine</i> , 2022 , 1	4.5	1
44	⌘ Cell in Cerebral Ischemic Stroke: Characteristic, Immunity-Inflammatory Role, and Therapy.. <i>Frontiers in Neurology</i> , 2022 , 13, 842212	4.1	2
43	Agmatine Mitigates Inflammation-Related Oxidative Stress in BV-2 Cells by Inducing a Pre-Adaptive Response.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
42	Natural polysaccharides to alleviate neurological disorders: New updates.. <i>Mini-Reviews in Medicinal Chemistry</i> , 2022 ,	3.2	
41	Emerging nanoformulation strategies for phytochemicals and applications from drug delivery to phototherapy to imaging.. <i>Bioactive Materials</i> , 2022 , 14, 182-205	16.7	2
40	Evaluating the Impact of Viola spathulata in A Rat Model of Brain Ischemia/Reperfusion by Influencing Expression Level of Caspase-3 and Cyclooxygenase-2. <i>Physiology and Pharmacology</i> , 2021 , 0-0	3.5	0
39	Hepatocyte Growth Factor-Preconditioned Neural Progenitor Cells Attenuate Astrocyte Reactivity and Promote Neurite Outgrowth.. <i>Frontiers in Cellular Neuroscience</i> , 2021 , 15, 741681	6.1	0
38	Hypoxia, Ischemia(Hypoglycemia). 2006 , 273-291		
37	Image_1.tif. 2020 ,		
36	Kunitz-Type Peptides from Sea Anemones Protect Neuronal Cells against Parkinson's Disease Inducers via Inhibition of ROS Production and ATP-Induced P2X7 Receptor Activation.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	1
35	The role of the nitric oxide synthases in brain ischemia during carotid endarterectomy. 2015 , 49, 40-46		

- 34 An Overview of the Neuropharmacological Potential of Thymoquinone and its Targeted Delivery Prospects for CNS Disorder. *Current Drug Metabolism*, **2022**, 23, 3-5 ○
- 33 Fermented *Mentha arvensis* administration provides neuroprotection against transient global cerebral ischemia in gerbils and SH-SY5Y cells via downregulation of the MAPK signaling pathway. *BMC Complementary Medicine and Therapies*, **2022**, 22, 2.9 ○
- 32 Cerebral ischemia in the developing brain. *Journal of Cerebral Blood Flow and Metabolism*, 0271678X2211116 1
- 31 Neuroprotective and Regenerative Effects of Growth Hormone (GH) in the Embryonic Chicken Cerebral Pallium Exposed to Hypoxic-Ischemic (HI) Injury. **2022**, 23, 9054 ○
- 30 Natural Compounds for SIRT1-Mediated Oxidative Stress and Neuroinflammation in Stroke: A Potential Therapeutic Target in the Future. **2022**, 2022, 1-16 ○
- 29 Olanzapine Ameliorates Ischemic Stroke-like Pathology in Gerbils and H2O2-Induced Neurotoxicity in SH-SY5Y Cells via Inhibiting the MAPK Signaling Pathway. **2022**, 11, 1697 ○
- 28 Resveratrol and Some of Its Derivatives as Promising Prophylactic Treatments for Neonatal Hypoxia-Ischemia. **2022**, 14, 3793 ○
- 27 Intranasal administration of B1, 3-galactosyltransferase 2 confers neuroprotection against ischemic stroke by likely inhibiting oxidative stress and NLRP3 inflammasome activation. **2022**, 36, ○
- 26 Glial Cell-Mediated Neuroinflammation in Alzheimer's Disease. **2022**, 23, 10572 3
- 25 Analysis and identification of key anti-inflammatory molecules in Eerdun Wurile and exploration of their mechanism of action in microglia. **2022**, 1211, 123458 ○
- 24 Theranostic Nanomaterials for Brain Injury. **2022**, 307-350 ○
- 23 Toward In Vivo MRI of the Tissue Proton Exchange Rate in Humans. **2022**, 12, 815 1
- 22 Emerging Treatment Strategies for Cerebral Ischemia-Reperfusion Injury. **2022**, ○
- 21 Reinventing the Penumbra – the Emerging Clockwork of a Multi-modal Mechanistic Paradigm. ○
- 20 Neuroprotective effects of black cumin seed and seed oil. **2023**, 201-230 ○
- 19 Mechanistic insights on impact of Adenosine monophosphate-activated protein kinase (AMPK) mediated signalling pathways on cerebral ischemic injury. **2022**, ○
- 18 A Commentary on the Effect of Targeted Temperature Management in Patients Resuscitated from Cardiac Arrest. ○
- 17 Argon preconditioning protects neuronal cells with a Toll-like receptor-mediated effect. **2023**, 18, 1371 1

- 16 Intraluminal filament induced middle cerebral artery occlusion model of transient focal cerebral ischemia in rats. **2023**, 613-629 ○
- 15 DAP12 deletion causes age-related motor function impairment but promotes functional recovery after sciatic nerve crush injury. **2023**, 360, 114296 ○
- 14 Chebulic Acid Prevents Hypoxia Insult via Nrf2/ARE Pathway in Ischemic Stroke. **2022**, 14, 5390 ○
- 13 Therapeutic Administration of Oxcarbazepine Saves Cerebellar Purkinje Cells from Ischemia and Reperfusion Injury Induced by Cardiac Arrest through Attenuation of Oxidative Stress. **2022**, 11, 2450 1
- 12 Molecular Hydrogen: an Emerging Therapeutic Medical Gas for Brain Disorders. ○
- 11 Effects of pre-treatment with metoprolol and diltiazem on cerebral ischemia/reperfusion-induced injuries. 58, ○
- 10 Le B-A-BA de la mitochondrie, une cheffe d'orchestre intracellulaire très dynamique. **2022**, ○
- 9 ECMO in controlled reperfusion of whole body (CARL). **2023**, 1173-1185 ○
- 8 From Molecule to Patient Rehabilitation: The Impact of Transcranial Direct Current Stimulation and Magnetic Stimulation on Stroke. A Narrative Review. **2023**, 2023, 1-23 ○
- 7 Protective Effects of PEP-1-GSTA2 Protein in Hippocampal Neuronal Cell Damage Induced by Oxidative Stress. **2023**, 24, 2767 ○
- 6 CircFOXP1 alleviates brain injury after acute ischemic stroke by regulating STAT3/apoptotic signaling. **2023**, ○
- 5 Cell-Membrane-Coated Nanoparticles for Targeted Drug Delivery to the Brain for the Treatment of Neurological Diseases. **2023**, 15, 621 1
- 4 Oxidative stress and neuroimmune proteins in a mouse model of autism. **2023**, 28, 201-217 ○
- 3 Post-stroke cognitive impairment and synaptic plasticity: A review about the mechanisms and Chinese herbal drugs strategies. 17, ○
- 2 The Yin and Yang Effect of the Apelinergic System in Oxidative Stress. **2023**, 24, 4745 ○
- 1 Oxidative stress as a bridge between age and stroke: A narrative review. **2023**, ○