

# CITATION REPORT

List of articles citing

Calcium fluxes, calcium antagonists, and calcium-related pathology in brain ischemia, hypoglycemia, and spreading depression: a unifying hypothesis

DOI: 10.1038/jcbfm.1989.20

Journal of Cerebral Blood Flow and Metabolism, 1989, 9, 127-40.

Source: <https://exaly.com/paper-pdf/20713849/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 |
|------|--|-----|-----------|
| 1165 | Observations on a granule associated with chromatin in the nuclei of cells of rat and mouse. <b>1962</b> , 13, 162-7   |     | 103       |
| 1164 | High frequency discharges of gerbil hippocampal CA1 neurons shortly after ischemia. <b>1989</b> , 23, 569-72   |     | 14        |
| 1163 | Anoxic changes in dentate granule cells. <b>1989</b> , 107, 89-93  |     | 37        |
| 1162 | Differences in ischemia-induced accumulation of amino acids in the cat cortex. <b>1990</b> , 21, 1445-51   |     | 55        |
| 1161 | Treatment of Alzheimer's disease. Molecular pathology versus neurotransmitter-based therapy. <b>1990</b> , 157, 327-30   |     | 61        |
| 1160 | O2 deprivation induces a major depolarization in brain stem neurons in the adult but not in the neonatal rat. <b>1990</b> , 429, 411-28  |     | 136       |
| 1159 | Ion Dependence and Receptor Mediation of Glutamate Toxicity in the Immature Rat Hippocampal Slice. <b>1990</b> , 2, 620-628  |     | 13        |
| 1158 | Phosphorylase alpha and labile metabolites during anoxia: correlation to membrane fluxes of K+ and Ca2+. <b>1990</b> , 55, 1690-6  |     | 52        |
| 1157 | Hippocampal neurons become more vulnerable to glutamate after subcritical hypoxia: an in vitro study. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 877-84  | 7.3 | 55        |
| 1156 | Nimodipine pretreatment improves cerebral blood flow and reduces brain edema in conscious rats subjected to focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 903-13   | 7.3 | 57        |
| 1155 | The effects of dizocilpine maleate (MK-801), an antagonist of the N-methyl-D-aspartate receptor, on neurologic recovery and histopathology following complete cerebral ischemia in primates. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 252-61 | 7.3 | 100       |
| 1154 | Extracellular pH in the rat brain during hypoglycemic coma and recovery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 262-9  | 7.3 | 15        |
| 1153 | Eicosanoids in rat brain during ischemia and reperfusion--correlation to DC depolarization. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1990</b> , 10, 358-64  | 7.3 | 28        |
| 1152 | Fos-jun and the primary genomic response in the nervous system. Possible physiological role and pathophysiological significance. <b>1990</b> , 4, 27-55  |     | 66        |
| 1151 | Calcium-dependent phospholipid catabolism and arachidonic acid mobilization in cerebral minces. <b>1990</b> , 12, 177-90   |     | 3         |
| 1150 | The NMDA antagonist MK-801 improved metabolic recovery after 10 minutes global cerebral ischaemia in rats measured with 31 phosphorous magnetic resonance spectroscopy. <b>1990</b> , 106, 32-6  |     | 4         |
| 1149 | Relationship of neuronal vulnerability and calcium binding protein immunoreactivity in ischemia. <b>1990</b> , 83, 55-66   |     | 187       |

|      |  |     |
|------|--|-----|
| 1148 | Neuronal damage in the striatum following forebrain ischemia: lack of effect of selective lesions of mesostriatal dopamine neurons. <b>1990</b> , 83, 159-63   | 13  |
| 1147 | Excitatory amino acid neurotoxicity in cultured retinal neurons: involvement of N-methyl-D-aspartate (NMDA) and non-NMDA receptors and effect of ganglioside GM1. <b>1990</b> , 27, 202-10                 | 34  |
| 1146 | Cerebral hypoxia: some new approaches and unanswered questions. <b>1990</b> , 10, 2493-501   | 634 |
| 1145 | Excitatory amino acid release and free radical formation may cooperate in the genesis of ischemia-induced neuronal damage. <b>1990</b> , 10, 1035-41   | 451 |
| 1144 | Serum and depolarizing agents cause acute neurotoxicity in cultured cerebellar granule cells: role of the glutamate receptor responsive to N-methyl-D-aspartate. <b>1990</b> , 87, 1193-7                  | 155 |
| 1143 | Background review and current concepts of reperfusion injury. <b>1990</b> , 47, 1245-54  | 294 |
| 1142 | The effect of external pH changes on responses to excitatory amino acids in mouse hippocampal neurones. <b>1990</b> , 430, 497-517   | 132 |
| 1141 | Physiologic and neuropathologic aspects of hypothermic circulatory arrest in newborn dogs. <b>1990</b> , 28, 354-60  | 23  |
| 1140 | Experimental studies with isradipine in stroke. <b>1990</b> , 40 Suppl 2, 44-51  | 9   |
| 1139 | Distribution of hypoxia-induced calcium accumulation in gerbil hippocampal slice. <b>1990</b> , 120, 42-5  | 39  |
| 1138 | Regional neuroprotective effects of pentobarbital on ischemia-induced brain damage. <b>1990</b> , 25, 861-5  | 31  |
| 1137 | Glutamate-mediated selective vulnerability to ischemia is present in organotypic cultures of hippocampus. <b>1990</b> , 116, 325-30  | 55  |
| 1136 | Delayed decreases in specific brain mitochondrial electron transfer complex activities and cytochrome concentrations following anoxia/ischemia. <b>1990</b> , 100, 142-51                                  | 47  |
| 1135 | Adrenal steroid influences on the survival of hippocampal neurons. <b>1990</b> , 40, 2393-402  | 79  |
| 1134 | Effects of calcium and calcium antagonists against deprivation of glucose and oxygen in guinea pig hippocampal slices. <b>1990</b> , 526, 1-7  | 26  |
| 1133 | Level of ischemia and brain functions in the Mongolian gerbil in vivo. <b>1990</b> , 524, 1-9  | 37  |
| 1132 | Postischemic glucose utilization in rat hippocampal layers. <b>1990</b> , 510, 74-83   | 6   |
| 1131 | Role of the excitotoxic mechanism in the development of neuronal damage following repeated brief cerebral ischemia in the gerbil: protective effects of MK-801 and pentobarbital. <b>1990</b> , 516, 175-9 | 55  |

|      |   |     |
|------|---|-----|
| 1130 | Pre- and post-treatment with MK-801 but not pretreatment alone reduces neocortical damage after focal cerebral ischemia in the rat. <b>1990</b> , 527, 62-8   | 108 |
| 1129 | Culture of mature hippocampus slices for 4 days in a newly developed medium: preservation of transmitter release and leucine incorporation into protein. <b>1990</b> , 533, 239-47                  | 10  |
| 1128 | MK-801 reduced cerebral ischemic injury by inducing hypothermia. <b>1990</b> , 514, 300-4   | 194 |
| 1127 | The correlation between excitatory amino acid-induced current responses and excitotoxicity in striatal cultures. <b>1990</b> , 521, 265-72  | 24  |
| 1126 | Extracellular ions during veratridine-induced neurotoxicity in hippocampal slices: neuroprotective effects of flunarizine and tetrodotoxin. <b>1990</b> , 528, 212-22                               | 33  |
| 1125 | Up regulation of calbindin-D28K mRNA in the rat hippocampus following focal stimulation of the perforant path. <b>1991</b> , 6, 627-33  | 97  |
| 1124 | Treatment for stroke?. <b>1991</b> , 337, 1129-1131   | 13  |
| 1123 | Blockade of the AMPA receptor prevents CA1 hippocampal injury following severe but transient forebrain ischemia in adult rats. <b>1991</b> , 132, 255-8   | 239 |
| 1122 | Calcium and hypoxic/ischemic brain damage--some critical and conceptual remarks. <b>1991</b> , 42, 239-44   | 1   |
| 1121 | Ganglioside GM1 prevents death induced by excessive excitatory neurotransmission in cultured hippocampal pyramidal neurons. <b>1991</b> , 126, 98-101   | 12  |
| 1120 | Prediction of survival in severely asphyxiated infants. <b>1991</b> , 7, 446-51   | 13  |
| 1119 | Effects of NMDA and calcium channel antagonists on regional cerebral blood flow. <b>1991</b> , 131, 17-20   | 18  |
| 1118 | Visualization of hypoxia-induced glutamate release in gerbil hippocampal slice. <b>1991</b> , 122, 167-70   | 34  |
| 1117 | Steroid hormones are multifunctional messengers to the brain. <b>1991</b> , 2, 62-7   | 121 |
| 1116 | Neurotoxicity caused by glutamate after subcritical hypoxia is prevented by 6-cyano-7-nitroquinoxaline-2,3-dione (CNQX): an in vitro study using rat hippocampal neurons. <b>1991</b> , 121, 159-62 | 12  |
| 1115 | Interaction between systemic circulation and brain injuries in newborns. <b>1991</b> , 42, 197-203  | 7   |
| 1114 | Mechanisms of asphyxial brain damage, and possible pharmacologic interventions, in the fetus. <b>1991</b> , 164, 1582-9; discussion 1589-91   | 40  |
| 1113 | Neurocytotoxicity: pharmacological implications. <b>1991</b> , 5, 755-67  | 54  |

|      |  |     |
|------|--|-----|
| 1112 | Improved posthypoxic recovery with a membrane-permeable calpain inhibitor. <b>1991</b> , 209, 123-5  | 43  |
| 1111 | Neuroprotective properties of 5-HT <sub>1A</sub> receptor agonists in rodent models of focal and global cerebral ischemia. <b>1991</b> , 203, 213-22   | 75  |
| 1110 | Inhibitory effects of NMDA receptor antagonists on hypoxia-induced seizures in dietary Mg(2+)-deficient mice. <b>1991</b> , 204, 29-34   | 9   |
| 1109 | Blockade of N-methyl-D-aspartate-sensitive excitatory amino acid receptors with 2-amino-5-phosphonovalerate reduces ischemia-evoked calcium redistribution in rabbit hippocampus. <b>1991</b> , 112, 89-94 | 12  |
| 1108 | Electrophysiological recordings from rat hippocampus slices following in vivo brain ischemia. <b>1991</b> , 554, 166-75  | 33  |
| 1107 | Metabolic effects of kynurenate during reversible forebrain ischemia studied by in vivo <sup>31</sup> P-nuclear magnetic resonance spectroscopy. <b>1991</b> , 550, 54-60                                  | 6   |
| 1106 | K <sup>+</sup> efflux pathways and neurotransmitter release associated to hippocampal ischemia: effects of glucose and of K <sup>+</sup> channel blockers. <b>1991</b> , 539, 155-8                        | 24  |
| 1105 | The 21-aminosteroid antioxidant tirilazad mesylate, U-74006F, blocks cortical hypoperfusion following spreading depression. <b>1991</b> , 553, 243-8   | 17  |
| 1104 | Na <sup>+</sup> /Ca <sup>2+</sup> exchange activity is increased in Alzheimer's disease brain tissues. <b>1991</b> , 543, 139-47   | 36  |
| 1103 | Temperature dependence of hypoxia-induced calcium accumulation in gerbil hippocampal slices. <b>1991</b> , 562, 159-63   | 80  |
| 1102 | An immunohistochemical study of MAP2 and clathrin in gerbil hippocampus after cerebral ischemia. <b>1991</b> , 560, 149-58   | 58  |
| 1101 | Acute glutamate toxicity in cultured cerebellar granule cells: agonist potency, effects of pH, Zn <sup>2+</sup> and the potentiation by serum albumin. <b>1991</b> , 560, 282-90                           | 40  |
| 1100 | Effects of ketamine on outcome from temporary middle cerebral artery occlusion in the spontaneously hypertensive rat. <b>1991</b> , 565, 116-22  | 34  |
| 1099 | The effect of a dihydropyridine calcium antagonist (isradipine) on selective neuronal necrosis. <b>1991</b> , 103, 109-15  | 21  |
| 1098 | Neuronal dysfunction at the border of focal lesions in cat visual cortex. <b>1991</b> , 131, 45-8  | 36  |
| 1097 | Selective vulnerability of the hippocampus in brain ischemia. <b>1991</b> , 40, 599-636  | 840 |
| 1096 | Flunarizine, a calcium channel antagonist, is not neuroprotective when given after hypoxia-ischemia in the infant rat. <b>1991</b> , 17, 205-9   | 6   |
| 1095 | Mechanistic Basis for the Development of Anti-Ischemic Drugs. <b>1991</b> , 1, 83-92   | 5   |

|      |  |     |     |
|------|--|-----|-----|
| 1094 | Effect of U74006F on forebrain ischemia in rats. <b>1991</b> , 22, 896-901   |     | 60  |
| 1093 | Effects of dextromethorphan on rat brain during ischemia and reperfusion assessed by magnetic resonance spectroscopy. <b>1991</b> , 22, 343-50   |     | 28  |
| 1092 | [14C]leucine incorporation into brain proteins in gerbils after transient ischemia: relationship to selective vulnerability of hippocampus. <b>1991</b> , 56, 789-96   |     | 132 |
| 1091 | Cerebral polyamine metabolism in reversible hypoglycemia of rat: relationship to energy metabolites and calcium. <b>1991</b> , 57, 204-15  |     | 29  |
| 1090 | Characterisation of the glycine modulatory site of the N-methyl-D-aspartate receptor-ionophore complex in human brain. <b>1991</b> , 56, 299-310   |     | 36  |
| 1089 | In vivo binding of nimodipine in the brain: I. The effect of focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 762-70  | 7-3 | 38  |
| 1088 | The effects of a competitive NMDA receptor antagonist (CGS-19755) on cerebral blood flow and pH in focal ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 786-93                 | 7-3 | 70  |
| 1087 | Effects of dextromethorphan on regional cerebral blood flow in focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 803-9   | 7-3 | 41  |
| 1086 | Hippocampal damage following repeated brief hypotensive episodes in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 974-8  | 7-3 | 8   |
| 1085 | Reduction of infarct volume by magnesium after middle cerebral artery occlusion in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 1025-30  | 7-3 | 148 |
| 1084 | Ischemia of rat brain decreases pertussis toxin-catalyzed [32P]ADP ribosylation of GTP-binding proteins (Gi1 and G0) in membranes. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 155-60 | 7-3 | 5   |
| 1083 | Induced tolerance to ischemia in gerbil hippocampal neurons. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 299-307  | 7-3 | 535 |
| 1082 | EEG suppression and anoxic depolarization: influences on cerebral oxygenation during ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1991</b> , 11, 407-15                                     | 7-3 | 33  |
| 1081 | Mechanical and pathophysiological aspects of acute spinal cord trauma. <b>1991</b> , 32, 572-578   |     | 12  |
| 1080 | Therapeutic aspects of acute spinal cord trauma. <b>1991</b> , 32, 620-626   |     | 3   |
| 1079 | Prostacyclin attenuates in the rabbit hippocampus early consequences of transient complete cerebral ischemia. <b>1991</b> , 83, 370-7  |     | 11  |
| 1078 | Long-term observations on calcium accumulation in postischemic gerbil brain. <b>1991</b> , 83, 244-9   |     | 9   |
| 1077 | Neuropeptide Y (NPY)-immunoreactive neurons in the primate fascia dentata; occasional coexistence with calcium-binding proteins: a light and electron microscopic study. <b>1991</b> , 309, 430-44                 |     | 25  |

|      |   |     |
|------|---|-----|
| 1076 | Evaluation of a competitive NMDA antagonist (D-CPPene) in feline focal cerebral ischemia. <b>1991</b> , 30, 62-70   | 61  |
| 1075 | The effects of calcium antagonists on EEG, evoked potentials and neurologic recovery after complete global brain ischemia for 15 minutes in dogs. <b>1991</b> , 5, 114-22                                 | 3   |
| 1074 | Effect of oxymethacil on the microcirculation and cerebral cortical single unit activity in cats with acute phosphacol poisoning. <b>1991</b> , 112, 1051-1054  |     |
| 1073 | Contributions of sodium and chloride to ultrastructural damage after dendrotomy. <b>1991</b> , 86, 60-72  | 20  |
| 1072 | Effects of age on the metabolic, ionic and electrical responses to anoxia in the newborn dog brain in vivo. <b>1991</b> , 2, 297-313  | 6   |
| 1071 | Effects of hypothermia and hyperthermia on the reactivity of rat intracerebral arterioles in vitro. <b>1991</b> , 75, 433-9   | 32  |
| 1070 | Inhibition of proteolysis protects hippocampal neurons from ischemia. <b>1991</b> , 88, 7233-7  | 311 |
| 1069 | Mechanisms of perinatal brain damage. <b>1991</b> , 23, 675-9   | 40  |
| 1068 | Reduction by delayed hypothermia of cerebral infarction following middle cerebral artery occlusion in the rat: a time-course study. <b>1992</b> , 77, 438-44  | 119 |
| 1067 | Action of phospholipases A2 and C on free fatty acid release during complete ischemia in rat neocortex. Effect of phospholipase C inhibitor and N-methyl-D-aspartate antagonist. <b>1992</b> , 76, 648-51 | 57  |
| 1066 | Pathophysiology and treatment of focal cerebral ischemia. Part I: Pathophysiology. <b>1992</b> , 77, 169-84   | 735 |
| 1065 | Pathophysiology and treatment of focal cerebral ischemia. Part II: Mechanisms of damage and treatment. <b>1992</b> , 77, 337-54   | 552 |
| 1064 | Aging does not alter the binding characteristics to voltage dependent calcium channels in the brain of CW1 mice. <b>1992</b> , 3, 109-18  | 3   |
| 1063 | Experimental evidence of ischemic thresholds and functional recovery. <b>1992</b> , 23, 1668-72   | 129 |
| 1062 | Protective effects of flunarizine on ischemic injury in the rat retina. <b>1992</b> , 110, 862-70   | 89  |
| 1061 | The impact of diabetes on the CNS. <b>1992</b> , 41, 557-70   | 182 |
| 1060 | NMDA antagonist protection from neuronal injury. <b>1992</b> , 49, 421  | 2   |
| 1059 | Do NMDA antagonists prevent neuronal injury? No. <b>1992</b> , 49, 420-1  | 30  |

|      |  |                 |
|------|--|-----------------|
| 1058 | Re-examination of the glucocorticoid hypothesis of stress and aging. <b>1992</b> , 93, 365-81; discussion 382-3  | 71              |
| 1057 | Distribution of calcium in ischemic brain of gerbils. <b>1992</b> , 94, 137-43   | 1               |
| 1056 | PrPSc causes nerve cell death and stimulates astrocyte proliferation: a paradox. <b>1992</b> , 94, 437-46  | 22              |
| 1055 | A phospholipase C inhibitor ameliorates postischemic neuronal damage in rats. <b>1992</b> , 23, 1163-6   | 24              |
| 1054 | Changes of neuronal transmission in the hippocampus after transient ischemia in spontaneously hypertensive rats and the protective effects of MK-801. <b>1992</b> , 23, 260-6                                      | 20              |
| 1053 | Differential regulation of mRNAs for nerve growth factor, brain-derived neurotrophic factor, and neurotrophin 3 in the adult rat brain following cerebral ischemia and hypoglycemic coma. <b>1992</b> , 89, 648-52 | 45 <sup>2</sup> |
| 1052 | Combined treatment with MK-801 and nicardipine reduces global ischemic damage in the gerbil. <b>1992</b> , 23, 82-6  | 36              |
| 1051 | Switch in glutamate receptor subunit gene expression in CA1 subfield of hippocampus following global ischemia in rats. <b>1992</b> , 89, 10499-503   | 345             |
| 1050 | Combination therapy with nimodipine and dizocilpine in a rat model of transient forebrain ischemia. <b>1992</b> , 23, 725-32   | 45              |
| 1049 | Pathophysiology of acute ischaemic stroke. <b>1992</b> , 339, 533-6  | 255             |
| 1048 | Ischemia-induced changes in PIP2 levels of gerbil hippocampus. <b>1992</b> , 15, 305-9   | 9               |
| 1047 | Extracellular changes of inorganic phosphate are different during spreading depression and global cerebral ischemia of rats. <b>1992</b> , 141, 269-72   | 15              |
| 1046 | Serum concentrations of vitamins A and E and early outcome after ischaemic stroke. <b>1992</b> , 339, 1562-5   | 38              |
| 1045 | Pattern of neuronal death in the rat hippocampus after status epilepticus. Relationship to calcium binding protein content and ischemic vulnerability. <b>1992</b> , 28, 27-38                                     | 155             |
| 1044 | Long-term changes in gerbil brain neurotransmitter receptors following transient cerebral ischaemia. <b>1992</b> , 107, 437-42   | 45              |
| 1043 | Selective vulnerability of hippocampal CA1 neurons cannot be explained in terms of an increase in glutamate concentration during ischemia in the gerbil: brain microdialysis study. <b>1992</b> , 48, 307-13       | 98              |
| 1042 | Excitatory amino acid antagonists and their potential for the treatment of ischaemic brain damage in man. <b>1992</b> , 34, 106-14   | 115             |
| 1041 | Abnormal Ca <sup>2+</sup> homeostasis before cell death revealed by whole cell recording of ischemic CA1 hippocampal neurons. <b>1992</b> , 49, 807-17   | 77              |



|      |  |     |
|------|--|-----|
| 1040 | Acidic fibroblast growth factor delays in vitro ischemia-induced intracellular calcium elevation in gerbil hippocampal slices: a sign of neuroprotection. <b>1992</b> , 21, 337-41 | 24  |
| 1039 | Blockade of nitric oxide formation by N omega-nitro-L-arginine mitigates ischemic brain edema and subsequent cerebral infarction in rats. <b>1992</b> , 147, 159-62                | 142 |
| 1038 | The microsomal calcium-ATPase inhibitor thapsigargin is a neurotoxin in perinatal rodent brain. <b>1992</b> , 145, 157-60  | 18  |
| 1037 | Preserved neurotransmitter receptor binding following ischemia in preconditioned gerbil brain. <b>1992</b> , 29, 395-400   | 26  |
| 1036 | Calcium entry blocker ameliorates ischemic neuronal damage in monkey hippocampus. <b>1992</b> , 29, 519-24   | 7   |
| 1035 | Induction of tolerance to ischemia: alterations in second-messenger systems in the gerbil hippocampus. <b>1992</b> , 29, 559-65  | 64  |
| 1034 | Paradoxical effects of adrenal steroids on the brain: protection versus degeneration. <b>1992</b> , 31, 177-99   | 171 |
| 1033 | Excitatory amino acid-evoked calcium influx and calcium-dependent neurotoxicity in rat cortical cultures. <b>1992</b> , 648, 355-7   | 4   |
| 1032 | Corticosteroids, stress, and aging. <b>1992</b> , 663, 357-71  | 30  |
| 1031 | Neuroprotective role of adenosine in cerebral ischaemia. <b>1992</b> , 13, 439-45  | 378 |
| 1030 | Ischemic injury to rat forebrain mitochondria and cellular calcium homeostasis. <b>1992</b> , 1134, 223-32   | 66  |
| 1029 | Effects of focal cerebral ischemia on inositol 1,4,5-trisphosphate 3-kinase and 5-phosphatase activities in rat cortex. <b>1992</b> , 184, 871-7                                   | 11  |
| 1028 | Ketanserin reduces neuronal calcium accumulation and cell death in the hippocampus of the Mongolian gerbil after transient forebrain ischemia. <b>1992</b> , 578, 1-7              | 23  |
| 1027 | Neurochemical correlates of selective neuronal loss following cerebral ischemia: role of decreased Na <sup>+</sup> ,K <sup>+</sup> -ATPase activity. <b>1992</b> , 571, 265-71     | 35  |
| 1026 | Deoxycoformycin and oxypurinol: protection against focal ischemic brain injury in the rat. <b>1992</b> , 571, 272-80   | 69  |
| 1025 | Glucose and oxygen deprivation induces a Ca <sup>2+</sup> -mediated decrease in (Na <sup>+</sup> )+K <sup>+</sup> -ATPase activity in rat brain slices. <b>1992</b> , 576, 263-70  | 20  |
| 1024 | Induction of cobalt accumulation by excitatory amino acids within neurons of the hippocampal slice. <b>1992</b> , 581, 181-9   | 36  |
| 1023 | Extracellular calcium is a mediator of astroglial injury during combined glucose-oxygen deprivation. <b>1992</b> , 593, 45-50  | 45  |

|      |   |     |     |
|------|---|-----|-----|
| 1022 | A correlative study of calcium channel antagonist binding and local neuropathological features in the hippocampus in Alzheimer's disease. <b>1992</b> , 589, 313-9                        |     | 8   |
| 1021 | Effects of intra-ischemic blood pressure on outcome from 2-vessel occlusion forebrain ischemia in the rat. <b>1992</b> , 586, 188-94  |     | 37  |
| 1020 | Protective effect of the NMDA antagonist MK-801 on photochemically induced spinal lesions in the rat. <b>1992</b> , 118, 143-52   |     | 32  |
| 1019 | Immunohistochemical changes of neuronal calcium-binding proteins parvalbumin and calbindin-D-28k following unilateral deafferentation in the rat visual system. <b>1992</b> , 117, 230-46 |     | 62  |
| 1018 | Positron emission tomography in cerebrovascular disorders. <b>1992</b> , 22, 224-32   |     | 15  |
| 1017 | Multiple types of high-threshold calcium channels in rabbit sensory neurons: high-affinity block of neuronal L-type by nimodipine. <b>1992</b> , 12, 2225-34                              |     | 54  |
| 1016 | The Effect of Mild Hypothermia on Permanent Focal Ischemia in the Rat. <i>Neurosurgery</i> , <b>1992</b> , 31, 1056-1061  |     | 102 |
| 1015 | An Assessment of the Cerebral Protective Effects of Etomidate in a Model of Incomplete Forebrain Ischemia in the Rat. <i>Neurosurgery</i> , <b>1992</b> , 30, 540-544                     | 3.2 | 26  |
| 1014 | Glutamate-induced calcium transient triggers delayed calcium overload and neurotoxicity in rat hippocampal neurons. <b>1992</b> , 12, 1882-95   |     | 364 |
| 1013 | Advances in Cerebral Ischemia: Experimental Approaches. <b>1992</b> , 10, 49-61   |     | 45  |
| 1012 | Interrelationship between retinal ischaemic damage and turnover and metabolism of putative amino acid neurotransmitters, glutamate and GABA. <b>1992</b> , 80, 273-300                    |     | 32  |
| 1011 | The osmotic/calcium stress theory of brain damage: are free radicals involved?. <b>1992</b> , 17, 11-21   |     | 46  |
| 1010 | Molecular aspects of glutamate receptors and sodium-calcium exchange carriers in mammalian brain: implications for neuronal development and degeneration. <b>1992</b> , 17, 29-34         |     | 5   |
| 1009 | Energy metabolism and selective neuronal vulnerability following global cerebral ischemia. <b>1992</b> , 17, 923-31   |     | 39  |
| 1008 | Protection of hippocampal cell cultures against hypoxia and subsequent reoxygenation by an antioxidant of the sterically hindered phenol class. <b>1992</b> , 114, 1224-1227              |     | 1   |
| 1007 | Corticosterone enhances kainic acid-induced calcium elevation in cultured hippocampal neurons. <b>1992</b> , 59, 1033-40  |     | 82  |
| 1006 | Glucocorticoids exacerbate hypoxic and hypoglycemic hippocampal injury in vitro: biochemical correlates and a role for astrocytes. <b>1992</b> , 59, 137-46                               |     | 124 |
| 1005 | In vivo distribution of CGS-19755 within brain in a model of focal cerebral ischemia. <b>1992</b> , 58, 186-91  |     | 27  |

|      |  |     |     |
|------|--|-----|-----|
| 1004 | Relationship of intracellular calcium to dependence on nerve growth factor in dorsal root ganglion neurons in cell culture. <b>1992</b> , 58, 263-9  |     | 46  |
| 1003 | Ischemia-induced translocation of Ca <sup>2+</sup> /calmodulin-dependent protein kinase II: potential role in neuronal damage. <b>1992</b> , 58, 1743-53   |     | 129 |
| 1002 | Regional and temporal alterations in Ca <sup>2+</sup> /calmodulin-dependent protein kinase II and calcineurin in the hippocampus of rat brain after transient forebrain ischemia. <b>1992</b> , 58, 1798-809                       |     | 68  |
| 1001 | Reversibility of nimodipine binding to brain in transient cerebral ischemia. <b>1992</b> , 59, 1745-52   |     | 14  |
| 1000 | Effect of brain ischemia on protein kinase C. <b>1992</b> , 58, 1432-9   |     | 75  |
| 999  | Cerebral consequences of hypothermic circulatory arrest in adults. <b>1992</b> , 7, 134-55   |     | 52  |
| 998  | Inhibition of nitric oxide synthesis increases focal ischemic infarction in rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 717-26   | 7-3 | 222 |
| 997  | Postischemic blockade of AMPA but not NMDA receptors mitigates neuronal damage in the rat brain following transient severe cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 2-11        | 7-3 | 284 |
| 996  | Progressive derangement of periinfarct viable tissue in ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 193-203  | 7-3 | 369 |
| 995  | The effect of glutamate receptor blockade on anoxic depolarization and cortical spreading depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 223-9   | 7-3 | 231 |
| 994  | Effects of propentofylline on hypoxia-hypoglycemia-induced calcium accumulation in gerbil hippocampal slices. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 301-5                                       | 7-3 | 13  |
| 993  | The effect of MK-801 on cortical spreading depression in the penumbral zone following focal ischaemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 371-9                                   | 7-3 | 268 |
| 992  | Acute improvement in histological outcome by MK-801 following focal cerebral ischemia and reperfusion in the cat independent of blood flow changes. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 390-9 | 7-3 | 38  |
| 991  | Disturbance of membrane function preceding ischemic delayed neuronal death in the gerbil hippocampus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 408-17  | 7-3 | 75  |
| 990  | Effect of superoxide dismutase on intracellular calcium in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 43-52  | 7-3 | 38  |
| 989  | The effect of hyperglycemia on intracellular calcium in stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 469-76  | 7-3 | 38  |
| 988  | Ultrastructural localization of calcium in ischemic hippocampal slices: the influence of adenosine and theophylline. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1992</b> , 12, 520-4                                | 7-3 | 27  |
| 987  | Biological profile of the metabolites and potential metabolites of the anticonvulsant remacemide. <b>1992</b> , 12, 9-20   |     | 66  |

|     |   |     |
|-----|---|-----|
| 986 | Brain-oriented intensive care after resuscitation from cardiac arrest. <b>1992</b> , 24, 245-61   | 27  |
| 985 | Glutamate-induced energetic stress in hippocampal slices: evidence against NMDA and glutamate uptake as mediators. <b>1992</b> , 7, 77-92   | 11  |
| 984 | Excitable membranes, lipid messengers, and immediate-early genes. Alteration of signal transduction in neuromodulation and neurotrauma. <b>1992</b> , 6, 407-24   | 30  |
| 983 | Neuropeptides, steroid hormones, stress and reproduction. <b>1992</b> , 21, 105-116   | 4   |
| 982 | Intraventricular endothelin-1 uncouples the blood flow: metabolism relationship in periventricular structures of the rat brain: involvement of L-type calcium channels. <b>1992</b> , 22, 155-65                  | 22  |
| 981 | Ultrastructural changes in the hippocampal CA1 region following transient cerebral ischemia: evidence against programmed cell death. <b>1992</b> , 88, 91-105   | 250 |
| 980 | Protection against ischemic hippocampal CA1 damage in the rat with a new non-NMDA antagonist, NBQX. <b>1992</b> , 86, 45-9  | 97  |
| 979 | Cortical focal stroke model to evaluate neuroprotective action of drugs. <b>1992</b> , 27, 307-327  | 1   |
| 978 | The mechanism of cerebral hypoxic-ischemic damage. <b>1992</b> , 2, 221-8   | 61  |
| 977 | Does impairment of energy metabolism result in excitotoxic neuronal death in neurodegenerative illnesses?. <b>1992</b> , 31, 119-30   | 908 |
| 976 | MRI and MRS studies on the time course of rat brain lesions and the effect of drug treatment: volume quantification and characterization of tissue heterogeneity by parameter selection. <b>1993</b> , 30, 174-82 | 19  |
| 975 | Hydroxyl radical production and lipid peroxidation parallels selective post-ischemic vulnerability in gerbil brain. <b>1993</b> , 34, 107-12  | 126 |
| 974 | Neuroexcitatory amino acid levels in plasma and cerebrospinal fluid during migraine attacks. <b>1993</b> , 13, 89-93  | 85  |
| 973 | Repeated unilateral carotid occlusion in Mongolian gerbils: quantitative analysis of cortical neuronal loss. <b>1993</b> , 86, 16-20  | 21  |
| 972 | Cognitive dysfunction in adults with type 1 (insulin-dependent) diabetes mellitus of long duration: effects of recurrent hypoglycaemia and other chronic complications. <b>1993</b> , 36, 329-34                  | 156 |
| 971 | Adrenal steroids and plasticity of hippocampal neurons: toward an understanding of underlying cellular and molecular mechanisms. <b>1993</b> , 13, 457-82   | 66  |
| 970 | Phosphatidylserine synthesis in rat cerebral cortex: effects of hypoxia, hypocapnia and development. <b>1993</b> , 126, 101-7   | 14  |
| 969 | The stimulus-evoked release of glutamate and GABA from brain subregions following transient forebrain ischemia in the rat. <b>1993</b> , 18, 1073-9   | 2   |

|     |  |     |     |
|-----|--|-----|-----|
| 968 | Blockade of glutamate excitotoxicity and its clinical applications. <b>1993</b> , 18, 479-83   |     | 37  |
| 967 | Cerebral resuscitation after cardiac arrest: research initiatives and future directions. <b>1993</b> , 22, 324-49  |     | 150 |
| 966 | Basic mechanisms of traumatic brain damage. <b>1993</b> , 22, 959-69   |     | 142 |
| 965 | Developmental changes in intracellular calcium regulation in rat cerebral cortex during hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 811-9  | 7-3 | 65  |
| 964 | High-speed MR imaging of ischemic brain injury following stenosis of the middle cerebral artery. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 940-6  | 7-3 | 82  |
| 963 | Brain calcium metabolism in hypoglycemic coma. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 955-61   | 7-3 | 15  |
| 962 | Ketamine alters calcium and magnesium in brain tissue following experimental head trauma in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 962-8   | 7-3 | 32  |
| 961 | Glial glycogen stores affect neuronal survival during glucose deprivation in vitro. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 162-9   | 7-3 | 199 |
| 960 | Regional changes in interstitial K <sup>+</sup> and Ca <sup>2+</sup> levels following cortical compression contusion trauma in rats. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 183-92                             | 7-3 | 238 |
| 959 | NMDA and glycine receptor mRNA expression following transient global ischemia in the gerbil brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 337-41   | 7-3 | 22  |
| 958 | Basic FGF, NGF, and IGFs protect hippocampal and cortical neurons against iron-induced degeneration. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 378-88   | 7-3 | 197 |
| 957 | Alterations of a 200 kDa neurofilament in the rat hippocampus after forebrain ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 402-8   | 7-3 | 53  |
| 956 | Effect of propentofylline on regional cerebral glucose metabolism in acute ischemic stroke. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 526-30  | 7-3 | 41  |
| 955 | Neuronal protection and preservation of calcium/calmodulin-dependent protein kinase II and protein kinase C activity by dextrorphan treatment in global ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 550-7 | 7-3 | 29  |
| 954 | Elevation of neuroactive substances in the cortex of cats during prolonged focal ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 586-94   | 7-3 | 97  |
| 953 | Adenosine, a "retaliatory" metabolite, promotes anoxia tolerance in turtle brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 728-32  | 7-3 | 55  |
| 952 | Spatiotemporal distribution of Ca <sup>2+</sup> following axotomy and throughout the recovery process of cultured Aplysia neurons. <b>1993</b> , 5, 657-68   |     | 80  |
| 951 | GABAA receptor function in the early period after transient forebrain ischaemia in the rat. <b>1993</b> , 5, 955-60  |     | 23  |

|     |  |     |
|-----|--|-----|
| 950 | Excitatory amino acid-mediated cytotoxicity and calcium homeostasis in cultured neurons. <b>1993</b> , 60, 1202-11   | 198 |
| 949 | Corticosterone exacerbates kainate-induced alterations in hippocampal tau immunoreactivity and spectrin proteolysis in vivo. <b>1993</b> , 61, 57-67   | 112 |
| 948 | Protective effect of hypothermia on hippocampal injury after 30 minutes of forebrain ischemia in rats is mediated by postischemic recovery of protein synthesis. <b>1993</b> , 61, 200-9   | 94  |
| 947 | Reduction of HSP70 and HSC70 heat shock mRNA induction by pentobarbital after transient global ischemia in gerbil brain. <b>1993</b> , 61, 254-60  | 8   |
| 946 | Evolving concepts about the role of acidosis in ischemic neuropathology. <b>1993</b> , 61, 793-803   | 169 |
| 945 | Traumatic brain injury-induced excitotoxicity assessed in a controlled cortical impact model. <b>1993</b> , 61, 2015-24  | 336 |
| 944 | Neither moderate hypoxia nor mild hypoglycaemia alone causes any significant increase in cerebral [Ca <sup>2+</sup> ] <sub>i</sub> : only a combination of the two insults has this effect. A 31P and 19F NMR study. <b>1993</b> , 61, 2207-14 | 17  |
| 943 | Secondary injury mechanisms in acute spinal cord trauma. <b>1993</b> , 34, 117-122   | 18  |
| 942 | Propofol in patients with cardiac disease. <b>1993</b> , 40, 730-47  | 52  |
| 941 | Involvement of adenosine in ischemic and postischemic calcium regulation. <b>1993</b> , 18, 35-49  | 18  |
| 940 | Hypothermia protects somatostatinergic neurons in rat dentate hilus from zinc accumulation and cell death after cerebral ischemia. <b>1993</b> , 18, 161-72  | 19  |
| 939 | Concussive brain injury is associated with a prolonged accumulation of calcium: a 45Ca autoradiographic study. <b>1993</b> , 624, 94-102   | 286 |
| 938 | Corticosterone impairs hippocampal neuronal calcium regulation--possible mediating mechanisms. <b>1993</b> , 602, 84-90  | 137 |
| 937 | Coupling of cellular energy state and ion homeostasis during recovery following brain ischemia. <b>1993</b> , 604, 185-91  | 41  |
| 936 | Upregulation of calpain activity in neonatal rat brain after hypoxic-ischemia. <b>1993</b> , 630, 289-94   | 49  |
| 935 | Relationship between ion gradients and neurotransmitter release in the newborn rat striatum during anoxia. <b>1993</b> , 602, 228-33   | 26  |
| 934 | Temperature changes associated with forebrain ischemia in the gerbil. <b>1993</b> , 602, 264-7   | 39  |
| 933 | Endogenous adenosine delays the onset of hypoxic depolarization in the rat hippocampus in vitro via an action at A1 receptors. <b>1993</b> , 609, 313-5  | 31  |

|     |   |       |
|-----|---|-------|
| 932 | Effects of prolonged elevation of potassium on hippocampus of anesthetized rats. <b>1993</b> , 617, 194-204   | 38    |
| 931 | Relationship between extracellular neurotransmitter amino acids and energy metabolism during cerebral ischemia in rats monitored by microdialysis and in vivo magnetic resonance spectroscopy. <b>1993</b> , 605, 33-42 | 51    |
| 930 | Modulation of calcium current, intracellular calcium levels and cell survival by glucose deprivation and growth factors in hippocampal neurons. <b>1993</b> , 607, 275-85   | 101   |
| 929 | Secondary Ca <sup>2+</sup> overload indicates early neuronal injury which precedes staining with viability indicators. <b>1993</b> , 607, 319-23  | 129   |
| 928 | Origin of intracellular Ca <sup>2+</sup> elevation induced by in vitro ischemia-like condition in hippocampal slices. <b>1993</b> , 601, 103-10   | 113   |
| 927 | Influence of plasma glucose concentration on rat brain extracellular calcium transients during spreading depression. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1993</b> , 13, 179-82                    | 73 33 |
| 926 | <sup>31</sup> P-NMR study of transient ischemia in rat hippocampal slices in vitro. <b>1993</b> , 1158, 257-63  | 24    |
| 925 | Cell-permeant Ca <sup>2+</sup> chelators reduce early excitotoxic and ischemic neuronal injury in vitro and in vivo. <b>1993</b> , 11, 221-35   | 208   |
| 924 | Therapeutic hypothermia is cytoprotective without attenuating the traumatic brain injury-induced elevations in interstitial concentrations of aspartate and glutamate. <b>1993</b> , 10, 363-72                         | 92    |
| 923 | Altered gene expression in cerebral ischemia. <b>1993</b> , 24, 2121-7  | 120   |
| 922 | Polyamine neurotoxicity is antagonized by dizocilpine in cultured chick cortical neurons. <b>1993</b> , 161, 109-12   | 19    |
| 921 | Effect of pentobarbital on postischemic SCH 23390 and rolipram binding in gerbil brain. <b>1993</b> , 248, 191-8  | 1     |
| 920 | Monosialoganglioside (GM1) restores membrane fatty acid levels in ischemic tissue after cortical focal ischemia in rat. <b>1993</b> , 23, 163-72  | 13    |
| 919 | Limited but evident protective effects of MK-801 and pentobarbital on neuronal damage following forebrain ischemia in the gerbil under normothermic conditions. <b>1993</b> , 149, 229-32                               | 20    |
| 918 | MK-801 protects against neuronal injury induced by electrical stimulation. <b>1993</b> , 52, 45-53  | 42    |
| 917 | Enhancing the efficacy of thrombolysis by AMPA receptor blockade with NBQX in a rat embolic stroke model. <b>1993</b> , 119, 209-16   | 47    |
| 916 | Calcium influx and neurodegeneration. <b>1993</b> , 679, 22-33  | 44    |
| 915 | Examination of the role of calcium in neuronal death. <b>1993</b> , 679, 34-42  | 52    |

|     |   |     |     |
|-----|---|-----|-----|
| 914 | Long-term changes in glial fibrillary acidic protein and calcium levels in rat hippocampus after a single systemic dose of kainic acid. <b>1993</b> , 679, 394-401  |     | 9   |
| 913 | Interaction between free radicals and excitatory amino acids in the blood-brain barrier disruption after iron injury in the rat. <b>1993</b> , 10, 397-403  |     | 21  |
| 912 | Microglial reaction in the rat cerebral cortex induced by cortical spreading depression. <b>1993</b> , 3, 11-7  |     | 142 |
| 911 | Current concepts in cerebral protection. <b>1993</b> , 103, 1246-54   |     | 14  |
| 910 | Stroke therapy. It may be time for an integrated approach. <b>1993</b> , 50, 768-70   |     | 33  |
| 909 | A new perspective on ischemic brain damage?. <b>1993</b> , 96, 1-9  |     | 28  |
| 908 | Cerebral ischemia: the microcirculation as trigger and target. <b>1993</b> , 96, 49-65  |     | 18  |
| 907 | Cardiac arrest-induced complete cerebral ischaemia in the rat: dynamics of postischaemic in vivo calcium uptake and protein synthesis. <b>1993</b> , 15, 253-63   |     | 25  |
| 906 | NMDA receptors and AMPA/kainate receptors mediate parallel injury in cerebral cortical cultures subjected to oxygen-glucose deprivation. <b>1993</b> , 96, 137-43   |     | 47  |
| 905 | Antagonism of the NMDA and non-NMDA receptors in global versus focal brain ischemia. <b>1993</b> , 96, 125-35   |     | 45  |
| 904 | A Review of Brain Retraction and Recommendations for Minimizing Intraoperative Brain Injury. <i>Neurosurgery</i> , <b>1993</b> , 33, 1052-1064  | 3.2 | 135 |
| 903 | Improved posthypoxic recovery of synaptic transmission in gerbil neocortical slices treated with a calpain inhibitor. <b>1993</b> , 24, 1725-8  |     | 24  |
| 902 | Failure of MK-801 to reduce infarct volume in thrombotic middle cerebral artery occlusion in rats. <b>1993</b> , 24, 864-70; discussion 870-1   |     | 38  |
| 901 | Phosphate energy metabolism during domoic acid-induced seizures. <b>1993</b> , 34, 996-1002   |     | 11  |
| 900 | A selective N-type calcium channel antagonist protects against neuronal loss after global cerebral ischemia. <b>1993</b> , 90, 7894-7   |     | 217 |
| 899 | K <sup>+</sup> channel openers prevent global ischemia-induced expression of c-fos, c-jun, heat shock protein, and amyloid beta-protein precursor genes and neuronal death in rat hippocampus. <b>1993</b> , 90, 9431-5 |     | 165 |
| 898 | Pathologic consequences in hippocampus of aberrations in the metabolic trafficking between neurons and glial cells necessary for normal glutamate homeostasis. <b>1993</b> , 3, 165-170                                 |     | 446 |
| 897 | Effect of nimodipine on cerebral and organ blood flow in normal and posthypoxic newborn piglets. <b>1993</b> , 20, 111-9  |     | 2   |



|     |  |     |     |
|-----|--|-----|-----|
| 896 | Major differences in Ca <sup>2+</sup> i response to anoxia between neonatal and adult rat CA1 neurons: role of Ca <sup>2+</sup> o and Na <sup>+</sup> o. <b>1993</b> , 13, 63-72                     |     | 134 |
| 895 | Intact Rat Brain Mitochondria from a Single Animal: Preparation and Properties. <b>1993</b> , 41-50  |     | 3   |
| 894 | Vulnerability of mossy fiber targets in the rat hippocampus to forebrain ischemia. <b>1993</b> , 13, 3964-79   |     | 146 |
| 893 | Intracellular calcium levels and calcium fluxes in the CA1 region of the rat hippocampal slice during in vitro ischemia: relationship to electrophysiological cell damage. <b>1993</b> , 13, 4861-71 |     | 110 |
| 892 | Roles for calcium signaling in structural plasticity and pathology in the hippocampal system. <b>1993</b> , 3, 73-87   |     | 33  |
| 891 | Potential New Therapies for Perinatal Cerebral Hypoxia-Ischemia. <b>1993</b> , 20, 411-432   |     | 46  |
| 890 | Effects of cerebroplegic solutions during hypothermic circulatory arrest and short-term recovery. <b>1994</b> , 108, 291-301   |     | 16  |
| 889 | Mild Hypothermia and MK-801 Have Similar But Not Additive Degrees of Cerebroprotection in the Rat Permanent Focal Ischemia Model. <i>Neurosurgery</i> , <b>1994</b> , 34, 1040-1046                  | 3.2 | 19  |
| 888 | Increased deafferentation-induced cell death in chick brainstem auditory neurons following blockade of mitochondrial protein synthesis with chloramphenicol. <b>1994</b> , 14, 291-300               |     | 37  |
| 887 | Cytosolic free calcium and cell death during metabolic inhibition in a neuronal cell line. <b>1994</b> , 14, 4040-9  |     | 28  |
| 886 | Role of neuronal synchronizing mechanisms in the propagation of spreading depression in the in vivo hippocampus. <b>1994</b> , 14, 7087-98   |     | 103 |
| 885 | Direct measurement of brain temperature during and after intraischemic hypothermia: correlation with behavioral, physiological, and histological endpoints. <b>1994</b> , 14, 7726-34                |     | 71  |
| 884 | Advances and Technical Standards in Neurosurgery. <b>1994</b> ,  |     |     |
| 883 | Therapeutic time window and dose response of the beneficial effects of ketamine in experimental head injury. <b>1994</b> , 25, 1637-43   |     | 73  |
| 882 | The effects of naloxone on retinal ischemia in rats. <b>1994</b> , 10, 481-92  |     | 18  |
| 881 | Calcium/calmodulin-dependent protein kinase II activity in focal ischemia with reperfusion in rats. <b>1994</b> , 25, 466-73   |     | 45  |
| 880 | Stroke in the diabetic patient. <b>1994</b> , 17, 213-9  |     | 145 |
| 879 | Neuroprotection with a calpain inhibitor in a model of focal cerebral ischemia. <b>1994</b> , 25, 663-9  |     | 174 |

|     |  |     |
|-----|--|-----|
| 878 | Treatment of vasogenic brain edema with the novel Cl <sup>-</sup> transport inhibitor torasemide. <b>1994</b> , 11, 679-90   | 21  |
| 877 | Administration of MgSO failed to improve the neurological recovery after complete global brain ischemia in dogs. <b>1994</b> , 8, 194-198  |     |
| 876 | Neuroprotective activity of HU-211, a novel NMDA antagonist, in global ischemia in gerbils. <b>1994</b> , 23, 125-35   | 52  |
| 875 | Cerebral function in diabetes mellitus. <b>1994</b> , 37, 643-50   | 277 |
| 874 | The influence of repeated spreading depression-induced calcium transients on neuronal viability in moderately hypoglycemic rats. <b>1994</b> , 97, 397-403   | 20  |
| 873 | <sup>13</sup> C NMR spectroscopy study of cortical nerve cell cultures exposed to hypoxia. <b>1994</b> , 38, 319-26  | 13  |
| 872 | Modulation of nerve and glial function by adenosine--role in the development of ischemic damage. <b>1994</b> , 26, 1227-36   | 76  |
| 871 | Rapid increase in mitochondrial volume in nucleus magnocellularis neurons following cochlea removal. <b>1994</b> , 339, 27-48  | 35  |
| 870 | Loss of immunoreactivity for glial fibrillary acidic protein (GFAP) in astrocytes as a marker for profound tissue damage in substantia nigra and basal cortical areas after status epilepticus induced by pilocarpine in rat. <b>1994</b> , 12, 165-72 | 38  |
| 869 | The ischemic penumbra, injury thresholds, and the therapeutic window for acute stroke. <b>1994</b> , 36, 553-4   | 175 |
| 868 | Quantitative evaluation of neuronal loss in the dorsal hippocampus in rats with long-term pilocarpine seizures. <b>1994</b> , 17, 237-47   | 106 |
| 867 | Blood-brain barrier disruption in experimental focal ischemia: comparison between in vivo MRI and immunocytochemistry. <b>1994</b> , 12, 403-11  | 40  |
| 866 | The rd mouse story: Seventy years of research on an animal model of inherited retinal degeneration. <b>1994</b> , 13, 31-64  | 110 |
| 865 | Morphine physical dependence intensification by hypoglycemia: NMDA receptor involvement. <b>1994</b> , 48, 571-4   | 1   |
| 864 | Pharmacological profile of a novel neuronal calcium channel blocker includes reduced cerebral damage and neurological deficits in rat focal ischemia. <b>1994</b> , 48, 77-85  | 32  |
| 863 | Oxidative stress: free radical production in neural degeneration. <b>1994</b> , 63, 37-122   | 406 |
| 862 | Calcium-activated proteolysis in rat neocortex induced by transient focal ischemia. <b>1994</b> , 661, 43-50   | 70  |
| 861 | Studies of the mechanism underlying increased Na <sup>+</sup> /Ca <sup>2+</sup> exchange activity in Alzheimer's disease brain. <b>1994</b> , 665, 192-200   | 14  |

|     |   |     |     |
|-----|---|-----|-----|
| 860 | Causes of calcium accumulation in rat cortical brain slices during hypoxia and ischemia: role of ion channels and membrane damage. <b>1994</b> , 665, 269-76  |     | 86  |
| 859 | Regional and temporal profiles of calcium accumulation and glial fibrillary acidic protein levels in rat brain after systemic injection of kainic acid. <b>1994</b> , 667, 216-28   |     | 24  |
| 858 | Accumulation of L-[2-(F-18)]fluorophenylalanine in peri-infarct area in a patient with acute cerebral infarction. <b>1994</b> , 8, 213-7  |     | 2   |
| 857 | A selective N-type Ca(2+)-channel blocker prevents CA1 injury 24 h following severe forebrain ischemia and reduces infarction following focal ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 903-10                                   | 7-3 | 127 |
| 856 | Mechanism of action and persistence of neuroprotection by cell-permeant Ca <sup>2+</sup> chelators. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 911-23   | 7-3 | 64  |
| 855 | Swelling, acidosis, and irreversible damage of glial cells from exposure to arachidonic acid in vitro. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 1030-9  | 7-3 | 87  |
| 854 | Local cerebral blood flow during hibernation, a model of natural tolerance to "cerebral ischemia". <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 193-205   | 7-3 | 193 |
| 853 | Cortical negative DC deflections following middle cerebral artery occlusion and KCl-induced spreading depression: effect on blood flow, tissue oxygenation, and electroencephalogram. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 12-9       | 7-3 | 264 |
| 852 | Delayed treatment with AMPA, but not NMDA, antagonists reduces neocortical infarction. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 251-61  | 7-3 | 153 |
| 851 | Photothrombotic infarction triggers multiple episodes of cortical spreading depression in distant brain regions. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 20-8  | 7-3 | 91  |
| 850 | Postischemic administration of AK275, a calpain inhibitor, provides substantial protection against focal ischemic brain damage. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 537-44   | 7-3 | 150 |
| 849 | Alterations in tau immunostaining in the rat hippocampus following transient cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1994</b> , 14, 554-64   | 7-3 | 72  |
| 848 | NBQX (2,3-dihydroxy-6-nitro-7-sulfamoyl-benzo(F)quinoxaline) did not affect recovery of high energy phosphates and pH in early reperfusion in a rat model of transient forebrain ischemia. Or: an in vivo <sup>31</sup> P NMR spectroscopy study. <b>1994</b> , 38, 170-4 |     | 1   |
| 847 | Prolonged effects of MK-801 in the cat during focal cerebral ischemia and recovery: survival, EEG activity and histopathology. <b>1994</b> , 121, 110-20  |     | 24  |
| 846 | Molecular cloning of rat cDNA for cytosolic phospholipase A2 and the increased gene expression in the dentate gyrus following transient forebrain ischemia. <b>1994</b> , 25, 364-8   |     | 66  |
| 845 | Evolving aspects of the glucocorticoid hypothesis of brain aging: hormonal modulation of neuronal calcium homeostasis. <b>1994</b> , 15, 579-88   |     | 94  |
| 844 | Ionic basis of GABA <sub>A</sub> receptor channel function in the nervous system. <b>1994</b> , 42, 489-537   |     | 530 |
| 843 | Mild acidosis inhibits the rise in intracellular Ca <sup>2+</sup> concentration in response to oxygen-glucose deprivation in rat hippocampal slices. <b>1994</b> , 168, 155-8   |     | 21  |

|     |   |     |
|-----|---|-----|
| 842 | Responses of rat mesencephalic dopaminergic neurons to a prolonged period of oxygen deprivation. <b>1994</b> , 63, 757-64   | 19  |
| 841 | Effects of the sodium channel blocker tetrodotoxin (TTX) on cellular ion homeostasis in rat brain subjected to complete ischemia. <b>1994</b> , 652, 216-24   | 79  |
| 840 | Differential effects of competitive (CGS19755) and non-competitive (MK 801) NMDA receptor antagonists upon local cerebral blood flow and local cerebral glucose utilisation in the rat. <b>1994</b> , 651, 27-36                  | 16  |
| 839 | Comparison of neuronal responses to experimental ischemia in gerbil and rat hippocampal slices. <b>1994</b> , 649, 353-6  | 4   |
| 838 | Differential temperature sensitivity of ischemia-induced glutamate release and eicosanoid production in rats. <b>1994</b> , 650, 205-11   | 46  |
| 837 | Removal of extracellular sodium prevents anoxia-induced injury in freshly dissociated rat CA1 hippocampal neurons. <b>1994</b> , 641, 57-64   | 66  |
| 836 | Effect of 21-aminosteroid lipid peroxidation inhibitor, U74006F, in the rat middle cerebral artery occlusion model. <b>1994</b> , 251, 69-74  | 34  |
| 835 | Neurotoxicity in conscious rats following intraventricular SNAP, a nitric oxide donor. <b>1994</b> , 33, 915-27   | 26  |
| 834 | Calcium-activated non-selective channels in the nervous system. <b>1994</b> , 19, 319-25  | 81  |
| 833 | Blockade by ifenprodil of high voltage-activated Ca <sup>2+</sup> channels in rat and mouse cultured hippocampal pyramidal neurones: comparison with N-methyl-D-aspartate receptor antagonist actions. <b>1994</b> , 113, 499-507 | 52  |
| 832 | Neuronal protective effects of calcium antagonists in cerebral ischemia. <b>1994</b> , 55, 2105-13  | 44  |
| 831 | Cognitive deficits induced by global cerebral ischaemia: relationship to brain damage and reversal by transplants. <b>1994</b> , 65, 1-31   | 133 |
| 830 | NMR spectroscopic study of cell cultures of astrocytes and neurons exposed to hypoxia: compartmentation of astrocyte metabolism. <b>1994</b> , 24, 473-83   | 39  |
| 829 | Failure to prevent selective CA1 neuronal death and reduce cortical infarction following cerebral ischemia with inhibition of nitric oxide synthase. <b>1994</b> , 61, 1-11   | 39  |
| 828 | Regional changes in [3H]inositol 1,4,5-triphosphate binding in the gerbil brain following repeated sublethal ischemia. <b>1994</b> , 33, 465-8  | 6   |
| 827 | Increased expression of mRNA encoding calbindin-D28K, the glucose-regulated proteins, or the 72 kDa heat-shock protein in three models of acute CNS injury. <b>1994</b> , 22, 299-308   | 103 |
| 826 | Increase in bcl-2 oncoprotein and the tolerance to ischemia-induced neuronal death in the gerbil hippocampus. <b>1994</b> , 20, 95-9  | 187 |
| 825 | Glutamate-induced intracellular calcium changes and neurotoxicity in cortical neurons in vitro: effect of chemical ischemia. <b>1994</b> , 62, 667-79   | 64  |

|     |   |        |
|-----|---|--------|
| 824 | The glycine antagonist and free radical scavenger 7-Cl-thio-kynurenate reduces CA1 ischemic damage in the gerbil. <b>1994</b> , 63, 701-9   | 34     |
| 823 | The pharmacology of excitatory amino acid antagonists in an animal model of stroke. <b>1994</b> , 4, 279-281  |        |
| 822 | Persistent AMPA receptor stimulation alters $[Ca^{2+}]_i$ homeostasis in cultures of embryonic dopaminergic neurons. <b>1994</b> , 21, 303-11   | 20     |
| 821 | Ischemic damage visualized in flat mounts of rat retina after photochemically induced thrombosis. <b>1994</b> , 34, 487-91  | 8      |
| 820 | Dextromethorphan attenuates hypoxia-induced neuronal dysfunction in rat neocortical slices. <b>1994</b> , 178, 171-4  | 11     |
| 819 | Mineralocorticoid and glucocorticoid receptors in the brain. Implications for ion permeability and transmitter systems. <b>1994</b> , 43, 1-36  | 346    |
| 818 | Homolateral cerebrocortical increase of immediate early gene and neurotransmitter messenger RNAs after minimal cortical lesion: blockade by N-methyl-D-aspartate antagonist. <b>1994</b> , 59, 827-36 | 37     |
| 817 | Opposite effects of cyclohexyladenosine and theophylline on hypoxic damage in cultured neurons. <b>1994</b> , 175, 114-6  | 20     |
| 816 | Inositol 1,3,4,5-tetrakisphosphate as a mediator of neuronal death in ischemic hippocampus. <b>1994</b> , 59, 291-7   | 35     |
| 815 | Cortical neurons containing calretinin are selectively resistant to calcium overload and excitotoxicity in vitro. <b>1994</b> , 61, 307-16  | 136    |
| 814 | Therapeutic potential of PCP receptor ligands. <b>1994</b> , 3, 1021-1030   | 3      |
| 813 | Brain ischemia decreases phosphatidylcholine-phospholipase D but not phosphatidylinositol-phospholipase C in rats. <b>1994</b> , 25, 1247-51  | 20     |
| 812 | Key of induced tolerance to ischaemia in gerbil hippocampal CA1 is not at transcriptional level of hsp70 gene: in situ hybridization of hsp70 mRNA. <b>1994</b> , 16, 209-12                          | 13     |
| 811 | Nitric oxide inhibition aggravates ischemic damage of hippocampal but not of NADPH neurons in gerbils. <b>1994</b> , 25, 436-43; discussion 443-4   | 49     |
| 810 | Neuron-specific enolase concentrations in blood as a prognostic parameter in cerebrovascular diseases. <b>1994</b> , 25, 558-65   | 127    |
| 809 | Pretreatment of transient focal cerebral ischemia in rats with the calcium antagonist AT877. <b>1994</b> , 25, 1234-9; discussion 1240  | 20     |
| 808 | A Glimmer of Hope for Acute Ischemic Stroke. <b>1994</b> , 4, 177-178   | 8      |
| 807 | Mild hypothermia and MK-801 have similar but not additive degrees of cerebroprotection in the rat permanent focal ischemia model. <i>Neurosurgery</i> , <b>1994</b> , 34, 1040-5; discussion 1045-6   | 3-2 33 |

|     |   |       |
|-----|---|-------|
| 806 | Influence of pH on calcium influx during hypoxia in rat cortical brain slices. <b>1994</b> , 25, 171-7  | 20    |
| 805 | The competitive NMDA antagonist MDL-100,453 reduces infarct size after experimental stroke. <b>1994</b> , 25, 1241-4; discussion 1245-6   | 22    |
| 804 | Cerebral blood flow and effects of cerebrospinal fluid on calcium transport in patients with cerebral infarction. <b>1994</b> , 25, 608-10  | 1     |
| 803 | Pharmacological profile and anti-ischemic properties of the Ca <sup>2+</sup> -channel blocker NS-638. <b>1995</b> , 17, 353-360   | 21    |
| 802 | Pathophysiologische Aspekte des ischämischen Hirninfarkts. <b>1995</b> , 22, 81-86  |       |
| 801 | The opioid receptor antagonist naloxone influences the pathophysiology of spinal cord injury. <b>1995</b> , 104, 381-99   | 22    |
| 800 | Alteration in levels of expression of brain calbindin D-28k and calretinin mRNA in genetically epilepsy-prone rats. <b>1995</b> , 36, 911-21  | 22    |
| 799 | Modulation of ischemic signal by antagonists of N-methyl-D-aspartate, nitric oxide synthase, and platelet-activating factor in gerbil hippocampus. <b>1995</b> , 40, 233-40                     | 24    |
| 798 | A motoneuron spared from steroid-activated developmental death by removal of descending neural inputs exhibits stable electrophysiological properties and morphology. <b>1995</b> , 26, 511-22  | 5     |
| 797 | Correlation of anoxic neuronal responses and calbindin-D28k localization in stratum pyramidale of rat hippocampus. <b>1995</b> , 5, 25-39   | 18    |
| 796 | Effects of K <sup>+</sup> , pH and glutamate on <sup>45</sup> Ca kinetics in hippocampal brain slices. <b>1995</b> , 59, 111-20   | 8     |
| 795 | Nitric oxide synthase in cerebral ischemia. Possible contribution of nitric oxide synthase activation in brain microvessels to cerebral ischemic injury. <b>1995</b> , 26, 107-57               | 42    |
| 794 | Modulation of signal transduction in rat synaptoneurosome by platelet activating factor. <b>1995</b> , 25, 51-67  | 8     |
| 793 | Structural alterations in synaptosomal membrane-associated proteins and lipids by transient middle cerebral artery occlusion in the cat. <b>1995</b> , 20, 1161-9                               | 23    |
| 792 | Loss of parvalbumin immunoreactivity defines selectively vulnerable thalamic reticular nucleus neurons following cardiac arrest in the rat. <b>1995</b> , 89, 262-9                             | 21    |
| 791 | In vitro ischemia-induced intracellular Ca <sup>2+</sup> elevation in cerebellar slices: a comparative study with the values found in hippocampal slices. <b>1995</b> , 89, 2-7                 | 25    |
| 790 | Histochemical study of Ca(2+)-ATPase activity in ischemic CA1 pyramidal neurons in the gerbil hippocampus. <b>1995</b> , 90, 448-53   | 22    |
| 789 | Alterations in cyclic AMP generation and G protein subunits following transient ischemia in gerbil hippocampus. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 877-85 | 73 14 |

|     |  |     |     |
|-----|--|-----|-----|
| 788 | Time-related neuronal changes following middle cerebral artery occlusion: implications for therapeutic intervention and the role of calpain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 969-79 | 7-3 | 97  |
| 787 | Protective effects of antiarrhythmic agents against anoxic injury in CNS white matter. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 425-32   | 7-3 | 35  |
| 786 | Effect of cerebral ischemia on calcium/calmodulin-dependent protein kinase II activity and phosphorylation. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 450-61                                  | 7-3 | 27  |
| 785 | Mitochondrial hyperoxidation signals residual intracellular dysfunction after global ischemia in rat neocortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1995</b> , 15, 655-65                              | 7-3 | 53  |
| 784 | Post-resuscitation disease--a new nosological entity. Its reality and significance. <b>1995</b> , 30, 23-7   |     | 60  |
| 783 | Calcium, energy metabolism and the development of selective neuronal loss following short-term cerebral ischemia. <b>1995</b> , 10, 191-217  |     | 28  |
| 782 | Age-dependent changes in voltage-gated calcium channels and ATP-dependent potassium channels in Fischer 344 rats. <b>1995</b> , 26, 1237-42  |     | 11  |
| 781 | Mechanisms of secondary brain damage in global and focal ischemia: a speculative synthesis. <b>1995</b> , 12, 943-56   |     | 183 |
| 780 | Electrophysiological alterations of the central nervous system in diabetes mellitus. <b>1995</b> , 11, 259-77  |     | 33  |
| 779 | The effect of acute hypoglycemia on the cerebral NMDA receptor in newborn piglets. <b>1995</b> , 670, 283-8  |     | 24  |
| 778 | Temporal profile of nuclear DNA fragmentation in situ in gerbil hippocampus following transient forebrain ischemia. <b>1995</b> , 671, 305-8   |     | 70  |
| 777 | Temporal response and effects of excitatory amino acid antagonism on microtubule-associated protein 2 immunoreactivity following experimental brain injury in rats. <b>1995</b> , 678, 151-60                                |     | 94  |
| 776 | Effects of deprivation of oxygen or glucose on the neural activity in the guinea pig hippocampal slice--intracellular recording study of pyramidal neurons. <b>1995</b> , 683, 109-16  |     | 36  |
| 775 | Degradation of fodrin and MAP 2 after neonatal cerebral hypoxic-ischemia. <b>1995</b> , 684, 136-42  |     | 49  |
| 774 | Fodrin degradation and subcellular distribution of calpains after neonatal rat cerebral hypoxic-ischemia. <b>1995</b> , 684, 143-9   |     | 47  |
| 773 | The extent and mechanism of the loss of function caused by strongly hypotonic solutions in rat hippocampal slices. <b>1995</b> , 695, 195-202  |     | 11  |
| 772 | Glycogen phosphorylase activity in the cerebral cortex of rats during development: effect of homocysteine-induced seizures. <b>1995</b> , 694, 128-32  |     | 9   |
| 771 | The effects of selective A1 and A2a adenosine receptor antagonists on cerebral ischemic injury in the gerbil. <b>1995</b> , 705, 79-84   |     | 147 |

|     |  |     |
|-----|--|-----|
| 770 | Calcium influx but not pH or ATP level mediates glutamate-induced changes in intracellular magnesium in cortical neurons. <b>1995</b> , 74, 942-9  | 12  |
| 769 | Theoretical Aspects of Neuroprotection in Acute Ischaemic Stroke. I: Basic Mechanisms. <b>1995</b> , vmr-6, 283-298  | 2   |
| 768 | Glutamate and non-glutamate receptor mediated toxicity caused by oxygen and glucose deprivation in organotypic hippocampal cultures. <b>1995</b> , 15, 7702-11                               | 140 |
| 767 | Review : Neuroprotection in Brain Ischemia: An Update (Part II. <b>1995</b> , 1, 164-175   | 39  |
| 766 | REVIEW ? : Neuroprotection in Brain Ischemia: An Update (Part I. <b>1995</b> , 1, 95-103   | 77  |
| 765 | Biochemical studies of isolated mitochondria from normal and diseased tissues. <b>1995</b> , 1271, 21-8  | 18  |
| 764 | The treatment of mitochondrial myopathies and encephalomyopathies. <b>1995</b> , 1271, 275-80  | 45  |
| 763 | [Cerebral hypoxic and ischemic damage in newborn infants: cellular mechanisms and role of excitatory amino acids]. <b>1995</b> , 2, 1192-9   | 3   |
| 762 | Biochemical changes associated with selective neuronal death following short-term cerebral ischaemia. <b>1995</b> , 27, 531-50   | 84  |
| 761 | In situ hybridization of mRNA expression for IP3 receptor and IP3-3-kinase in rat brain after transient focal cerebral ischemia. <b>1995</b> , 32, 252-60                                    | 29  |
| 760 | Neuronal expression of AP-1 proteins in excitotoxic-neurodegenerative disorders and following nerve fiber lesions. <b>1995</b> , 47, 257-290   | 54  |
| 759 | Neuronal death after perinatal asphyxia. <b>1995</b> , 61, 123-7   | 10  |
| 758 | Spontaneous excitatory postsynaptic currents in hippocampal CA1 pyramidal neurons of the gerbil after transient ischemia. <b>1995</b> , 191, 95-8  | 7   |
| 757 | Calpain inhibitors reduce depolarization induced loss of tau protein in primary septo-hippocampal cultures. <b>1995</b> , 194, 149-52  | 19  |
| 756 | In vivo pharmacological study of spermine-induced neurotoxicity. <b>1995</b> , 196, 81-4   | 23  |
| 755 | On the probabilistic nature of excitotoxic neuronal death in hippocampal neurons. <b>1995</b> , 34, 701-11   | 28  |
| 754 | Effects of Ca <sup>2+</sup> channel blockers on cortical hypoperfusion and expression of c-Fos-like immunoreactivity after cortical spreading depression in rats. <b>1995</b> , 115, 1359-68 | 31  |
| 753 | SNX-325, a novel calcium antagonist from the spider <i>Segestria florentina</i> . <b>1995</b> , 34, 8341-7   | 48  |



|     |   |     |
|-----|---|-----|
| 752 | Glutamate, calcium, and free radicals as mediators of ischemic brain damage. <b>1995</b> , 59, 1316-20  | 171 |
| 751 | Chronic NMDA receptor stimulation: therapeutic implications of its effect on adenosine A1 receptors. <b>1995</b> , 283, 185-92  | 13  |
| 750 | Nitric oxide changes in the rat brain after transient middle cerebral artery occlusion. <b>1995</b> , 128, 22-7   | 112 |
| 749 | Failure of levemopamil to improve histological outcome following temporary occlusion of the middle cerebral artery in cats. <b>1995</b> , 130, 128-33   | 6   |
| 748 | A comparison between the stimulated and paroxysmal release of endogenous amino acids from rat cerebellar, striatal and hippocampal slices: a manifestation of spreading depression?. <b>1995</b> , 131, 8-14    | 10  |
| 747 | Cobalt-55 positron emission tomography in relapsing-progressive multiple sclerosis. <b>1995</b> , 132, 139-45   | 27  |
| 746 | Adenosine: a prototherapeutic concept in neurodegeneration. <b>1995</b> , 765, 163-78; discussion 196-7   | 29  |
| 745 | Prevention of ischemia/reperfusion-induced alterations in synaptosomal membrane-associated proteins and lipids by N-tert-butyl-alpha-phenylnitron and difluoromethylornithine. <b>1995</b> , 69, 591-600        | 34  |
| 744 | Physiopathologie des États de mal Épileptiques (edme), effets systÉmiques et neuronaux. <b>1995</b> , 4, 413-418  | 0   |
| 743 | Effect of calcium antagonist, nifedipine, on cerebral blood flow in postasphyxial newborn piglets. <b>1995</b> , 37, 297-301  |     |
| 742 | [Cerebral ischemic cascade]. <b>1995</b> , 14, 103-13   | 2   |
| 741 | Failure of neuronal ion exchange, not potentiated excitation, causes excitotoxicity after inhibition of oxidative phosphorylation. <b>1995</b> , 64, 91-7   | 40  |
| 740 | Homolateral cerebrocortical changes in neuropeptide and receptor expression after minimal cortical infarction. <b>1995</b> , 69, 847-58   | 11  |
| 739 | Physiological results of monkey brain ischemia, and protection by a calcium blocker. <b>1995</b> , 37, 89-101   | 6   |
| 738 | A short period of hypoxia produces a rapid and transient rise in [K <sup>+</sup> ] <sub>e</sub> in rat hippocampus in vivo which is inhibited by certain K(+) channel blocking agents. <b>1995</b> , 67, 815-21 | 24  |
| 737 | Capsaicin-induced neurotoxicity in cultured dorsal root ganglion neurons: involvement of calcium-activated proteases. <b>1995</b> , 65, 1099-108  | 105 |
| 736 | AMPA receptors in the rat and primate hippocampus: a possible absence of GluR2/3 subunits in most interneurons. <b>1996</b> , 70, 631-52  | 148 |
| 735 | Nimodipine improves brain energy metabolism and blood rheology during ischemia and reperfusion in the gerbil brain. <b>1996</b> , 144, 84-90  | 12  |

|     |  |     |
|-----|--|-----|
| 734 | Mechanical lesions of the fimbria fornix in rat brain studied by 1H-magnetic resonance imaging. Evidence for long-lasting dynamic alterations in the ipsilateral ventricular system. <b>1996</b> , 6, 21-7 | 2   |
| 733 | Administration of a competitive NMDA antagonist MDL-100,453 reduces infarct size after permanent middle cerebral artery occlusion in rat. <b>1996</b> , 138, 36-41   | 6   |
| 732 | The competitive NMDA antagonist, CGS-19755, improves postischemic hypoperfusion in selectively vulnerable regions in gerbils. <b>1996</b> , 138, 105-13  | 4   |
| 731 | Attenuated hippocampal damage after global cerebral ischemia in mice mutant in neuronal nitric oxide synthase. <b>1996</b> , 72, 343-54  | 161 |
| 730 | Reduced glucose metabolism enhances the glutamate-evoked release of arachidonic acid from striatal neurons. <b>1996</b> , 74, 461-8  | 17  |
| 729 | Roles of phospholipases A2 in brain cell and tissue injury associated with ischemia and excitotoxicity. <b>1996</b> , 14, 15-23  | 30  |
| 728 | Relative contribution of the de novo and remodelling pathways to the synthesis of platelet-activating factor in brain areas and during ischemia. <b>1996</b> , 14, 89-98                                   | 24  |
| 727 | Expression of the calcium-binding protein, parvalbumin, in cultured cortical neurons using a HSV-1 vector system enhances NMDA neurotoxicity. <b>1996</b> , 40, 285-96                                     | 20  |
| 726 | Ischemia and lesion induced imbalances in cortical function. <b>1996</b> , 48, 131-66  | 85  |
| 725 | Hypoxia and brain development. <b>1996</b> , 49, 1-51  | 206 |
| 724 | Dynamic changes of cathepsins B and L expression in the monkey hippocampus after transient ischemia. <b>1996</b> , 228, 616-22   | 47  |
| 723 | The protective action of tetrodotoxin and (+/-)-kavain on anaerobic glycolysis, ATP content and intracellular Na <sup>+</sup> and Ca <sup>2+</sup> of anoxic brain vesicles. <b>1996</b> , 35, 1743-52     | 19  |
| 722 | Reversal of acute theophylline toxicity by calcium channel blockers in dogs and rats. <b>1996</b> , 110, 113-21  | 14  |
| 721 | Blockade of metabotropic glutamate receptors protects hippocampal neurons from hypoxia-induced cell death in rat in vivo. <b>1996</b> , 20, 1253-63  | 14  |
| 720 | Disturbances of calcium homeostasis within the endoplasmic reticulum may contribute to the development of ischemic-cell damage. <b>1996</b> , 47, 283-8  | 90  |
| 719 | Increase in single L-type calcium channels in hippocampal neurons during aging. <b>1996</b> , 272, 1017-20   | 407 |
| 718 | A tyrosine kinase-like molecule is localized in the nuclear membrane of neurons: hippocampal behavior under stress. <b>1996</b> , 88, 45-54  | 1   |
| 717 | In vitro ischemia promotes calcium influx and intracellular calcium release in hippocampal astrocytes. <b>1996</b> , 16, 71-81   | 118 |

|     |  |     |     |
|-----|--|-----|-----|
| 716 | Pathophysiology of Headaches with a Prominent Vascular Component. <b>1996</b> , 1, 93-108  |     | 6   |
| 715 | Effect of hyperglycemia on reperfusion-associated recovery of intracellular pH and high energy phosphates after transient cerebral ischemia in gerbils. <b>1996</b> , 18, 546-52             |     | 12  |
| 714 | Calpain inhibitor AK295 attenuates motor and cognitive deficits following experimental brain injury in the rat. <b>1996</b> , 93, 3428-33  |     | 192 |
| 713 | The use of spreading depression waves for acute and long-term monitoring of the penumbra zone of focal ischemic damage in rats. <b>1996</b> , 93, 3710-4                                     |     | 45  |
| 712 | Immune-mediated cell death and neuroprotection in neurodegenerative diseases. <b>1996</b> , 187-208  |     | 0   |
| 711 | Ultrastructural evidence for arteriolar vasospasm after spinal cord trauma. <i>Neurosurgery</i> , <b>1996</b> , 39, 804-14   |     | 70  |
| 710 | Mitochondrial depolarization in glutamate-stimulated neurons: an early signal specific to excitotoxin exposure. <b>1996</b> , 16, 5688-97  |     | 551 |
| 709 | pH-associated Brain Injury in Cerebral Ischemia and Circulatory Arrest. <b>1996</b> , 11, 205-218  |     | 7   |
| 708 | Intracellular inositol 1,3,4,5-tetrakisphosphate enhances the calcium current in hippocampal CA1 neurones of the gerbil after ischaemia. <b>1996</b> , 497 ( Pt 1), 67-78                    |     | 36  |
| 707 | Oxidative stress: Free radical production in neural degeneration. <b>1996</b> , 425-509  |     | 0   |
| 706 | Changes in ionic fluxes during cerebral ischaemia. <b>1997</b> , 40, 27-45   |     | 36  |
| 705 | Pharmacology of AMPA antagonists and their role in neuroprotection. <b>1997</b> , 40, 197-232  |     | 45  |
| 704 | Mild hypothermia: therapeutic window after experimental cerebral ischemia. <i>Neurosurgery</i> , <b>1996</b> , 38, 542-50; discussion 551  | 3.2 | 104 |
| 703 | Brain Hypoxia: Metabolic and Ventilatory Depression. <b>1996</b> , 1291-1306   |     |     |
| 702 | Normal and abnormal calcium homeostasis in neurons: a basis for the pathophysiology of traumatic and ischemic central nervous system injury. <i>Neurosurgery</i> , <b>1996</b> , 38, 1176-95 | 3.2 | 206 |
| 701 | Intracerebral Microdialysis of Glutamate and Aspartate Two Vascular Territories after Aneurysmal Subarachnoid Hemorrhage. <i>Neurosurgery</i> , <b>1996</b> , 38, 12-20                      | 3.2 | 97  |
| 700 | Development of brain damage after neonatal hypoxia-ischemia: excitatory amino acids and cysteine. <b>1996</b> , 11, 109-23   |     | 16  |
| 699 | The disruption of spatial cognition and changes in brain amino acid, monoamine and acetylcholine in rats with transient cerebral ischemia. <b>1996</b> , 709, 163-72                         |     | 47  |

|     |  |     |
|-----|--|-----|
| 698 | Hypoxic neuronal damage in the absence of hypoxic depolarization in rat hippocampal slices: the role of glutamate receptors. <b>1996</b> , 708, 82-92  | 20  |
| 697 | Differences in striatal extracellular amino acid concentrations between Wistar and Fischer 344 rats after middle cerebral artery occlusion. <b>1996</b> , 715, 163-71  | 14  |
| 696 | In vivo visualization of hippocampal cells and dynamics of Ca <sup>2+</sup> concentration during anoxia: feasibility of a fiber-optic plate microscope system for in vivo experiments. <b>1996</b> , 732, 61-8 | 19  |
| 695 | Determination of intracellular Ca <sup>2+</sup> concentration can be a useful tool to predict neuronal damage and neuroprotective properties of drugs. <b>1996</b> , 732, 87-94                                | 20  |
| 694 | Nicardipine and MK-801 attenuate platelet-activating factor increases following cerebral ischemia-reperfusion in gerbils. <b>1996</b> , 733, 203-10  | 9   |
| 693 | Protective effect of MK-801 on the anoxia-aglycemia induced damage in the fluorocitrate-treated hippocampal slice of the rat. <b>1996</b> , 732, 232-6   | 13  |
| 692 | Comparison of effects induced by toxic applications of kainate and glutamate by glucose deprivation on area CA1 of rat hippocampal slices. <b>1996</b> , 738, 109-20   | 11  |
| 691 | Early ultrastructural changes after brief histotoxic hypoxia in cultured cortical and hippocampal CA1 neurons. <b>1996</b> , 92, 541-4   | 13  |
| 690 | A new fluorescent histological marker for ischemic neurons, EA 50: correlated with Fos and Jun/AP-1 immunoreactivity. <b>1996</b> , 105, 375-82  | 4   |
| 689 | Dynamics of the impulse activity of neurons of the neocortex of monkeys in a visual recognition task after brief oxygen deprivation. <b>1996</b> , 26, 182-8   |     |
| 688 | Autoprotective mechanisms in the CNS: some new lessons from white matter. <b>1996</b> , 27, 107-29   | 18  |
| 687 | MRS study of glutamate metabolism in cultured neurons/glia. <b>1996</b> , 21, 987-93   | 53  |
| 686 | Changes in extracellular acid-base homeostasis in cerebral ischemia. <b>1996</b> , 21, 1013-21   | 20  |
| 685 | The effect of temperature management during cardiopulmonary bypass on neurologic and neuropsychologic outcomes in patients undergoing coronary revascularization. <b>1996</b> , 112, 514-22                    | 149 |
| 684 | Cytotoxic action of tri-n-butyltin on dissociated rat cerebellar neurones: a flow-cytometric study. <b>1996</b> , 78, 404-8  | 7   |
| 683 | 8 General anaesthetics as neuroprotective agents. <b>1996</b> , 10, 515-533  | 5   |
| 682 | Cerebrovascular disorders in patients with diabetes mellitus. <b>1996</b> , 10, 228-42   | 96  |
| 681 | The role of spreading depression in focal ischemia evaluated by diffusion mapping. <b>1996</b> , 39, 308-18  | 211 |

|     |   |     |     |
|-----|---|-----|-----|
| 680 | Status of the neonatal rat brain after NMDA-induced excitotoxic injury as measured by MRI, MRS and metabolic imaging. <b>1996</b> , 9, 84-92  |     | 30  |
| 679 | The protective effect of MK-801 on infarct development over a period of 24 h as assessed by diffusion-weighted magnetic resonance imaging. <b>1996</b> , 9, 241-8   |     | 7   |
| 678 | Spread of stimulating current in the cortical grey matter of rat visual cortex studied on a new in vitro slice preparation. <b>1996</b> , 67, 237-248   |     | 67  |
| 677 | F-0401: A Novel Calcium Antagonist with PAF Antagonistic Action, as a Potentially Cerebroprotective Drug for Patients with Ischemic Stroke. <b>1996</b> , 2, 145-159  |     |     |
| 676 | HA1077: A Novel Intracellular Calcium Antagonist. 1. Pharmacology. <b>1996</b> , 2, 160-172   |     |     |
| 675 | Ischemia-induced neuronal damage: a role for calcium/calmodulin-dependent protein kinase II. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1996</b> , 16, 1-6   | 7-3 | 89  |
| 674 | Induction of spreading depression in the ischemic hemisphere following experimental middle cerebral artery occlusion: effect on infarct morphology. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1996</b> , 16, 202-13 | 7-3 | 214 |
| 673 | Proteolytic cascade enzymes increase in focal cerebral ischemia in rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1996</b> , 16, 360-6  | 7-3 | 366 |
| 672 | Hypertonic environment prevents depolarization and improves functional recovery from hypoxia in hippocampal slices. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1996</b> , 16, 462-7                                  | 7-3 | 22  |
| 671 | Neuroprotection after several days of mild, drug-induced hypothermia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1996</b> , 16, 474-80   | 7-3 | 133 |
| 670 | Calpain inhibitors protect against depolarization-induced neurofilament protein loss of septo-hippocampal neurons in culture. <b>1996</b> , 8, 344-52   |     | 27  |
| 669 | Transient brain ischaemia provokes Ca <sup>2+</sup> , PIP <sub>2</sub> and calpain responses prior to delayed neuronal death in monkeys. <b>1996</b> , 8, 1932-44   |     | 129 |
| 668 | An experimental model of migraine with aura: cortical hypoperfusion following spreading depression in the awake and freely moving rat. <b>1996</b> , 23, 890-2  |     | 20  |
| 667 | Ibudilast reduces intracellular calcium elevation induced by in vitro ischaemia in gerbil hippocampal slices. <b>1996</b> , 23, 317-24  |     | 6   |
| 666 | Oxygen-Derived Free Radicals as Mediators of Varicose Vein Wall Damage. <b>1996</b> , 30, 47-52   |     | 9   |
| 665 | The significance of glucose turnover in the brain in the pathogenetic mechanisms of Alzheimer's disease. <b>1996</b> , 7, 1-19  |     | 44  |
| 664 | Growth and endocrine function after near total pancreatectomy for hyperinsulinaemic hypoglycaemia. <b>1996</b> , 74, 379-85   |     | 20  |
| 663 | Cytosolic phospholipase A <sub>2</sub> (PLA <sub>2</sub> ), but not secretory PLA <sub>2</sub> , potentiates hydrogen peroxide cytotoxicity in kidney epithelial cells. <b>1996</b> , 271, 21505-13                                 |     | 116 |

|     |   |     |
|-----|---|-----|
| 662 | The validity of rodent brain-ischemia models is self-evident. <b>1996</b> , 53, 1065-7; discussion 1070   | 38  |
| 661 | Effect of magnesium given 1 hour after head trauma on brain edema and neurological outcome. <b>1996</b> , 85, 131-7   | 97  |
| 660 | Immunohistochemical study of calpain-mediated breakdown products to alpha-spectrin following controlled cortical impact injury in the rat. <b>1997</b> , 14, 369-83                               | 107 |
| 659 | Mitochondrial dysfunction and calcium perturbation induced by traumatic brain injury. <b>1997</b> , 14, 23-34   | 339 |
| 658 | Mechanisms of calpain proteolysis following traumatic brain injury: implications for pathology and therapy: implications for pathology and therapy: a review and update. <b>1997</b> , 14, 121-34 | 179 |
| 657 | An in vitro model of traumatic neuronal injury: loading rate-dependent changes in acute cytosolic calcium and lactate dehydrogenase release. <b>1997</b> , 14, 355-68                             | 117 |
| 656 | Cerebral hemodynamics and metabolism during infant cardiac surgery. Mechanisms of injury and strategies for protection. <b>1997</b> , 12, 285-300   | 10  |
| 655 | Intrapartum hypoxic-ischemic cerebral injury and subsequent cerebral palsy: medicolegal issues. <b>1997</b> , 99, 851-9   | 152 |
| 654 | Interventions for perinatal hypoxic-ischemic encephalopathy. <b>1997</b> , 100, 1004-14   | 375 |
| 653 | REVIEW ? : Calcium and the Pathogenesis of Traumatic CNS Injury: Cellular and Molecular Mechanisms. <b>1997</b> , 3, 169-175  | 40  |
| 652 | The Calpain Hypothesis of Neurodegeneration: Evidence for a Common Cytotoxic Pathway. <b>1997</b> , 3, 314-327  | 63  |
| 651 | Calmodulin in ischemic neurotoxicity of rat hippocampus in vitro. <b>1997</b> , 8, 415-8  | 17  |
| 650 | Therapeutic Window in Ischaemic Stroke. <b>1997</b> , 8, 474-491  | 12  |
| 649 | Is high extracellular glutamate the key to excitotoxicity in traumatic brain injury?. <b>1997</b> , 14, 677-98  | 167 |
| 648 | Effects of brain temperature on calmodulin and microtubule-associated protein 2 immunoreactivity in the gerbil hippocampus following transient forebrain ischemia. <b>1997</b> , 14, 109-18       | 22  |
| 647 | A novel NMDA receptor antagonist protects against N-methyl-D-aspartate- and glutamate-induced neurotoxicity in the goldfish retina. <b>1997</b> , 321, 171-9                                      | 5   |
| 646 | Correlation of ischemia/reperfusion or partial outlet obstruction-induced spectrin proteolysis by calpain with contractile dysfunction in rabbit bladder. <b>1997</b> , 49, 293-300               | 91  |
| 645 | Cortical spreading depression induces long-term alterations of BDNF levels in cortex and hippocampus distinct from lesion effects: implications for ischemic tolerance. <b>1997</b> , 29, 37-47   | 77  |

|     |  |     |
|-----|--|-----|
| 644 | Cyclic changes in NMDA receptor activation in hippocampal CA1 neurons after ischemia. <b>1997</b> , 29, 273-81   | 4   |
| 643 | Cerebral cortical phospholipase A2 activity of senescence-accelerated mouse is increased in an age-dependent manner. <b>1997</b> , 29, 269-72  | 6   |
| 642 | Cobalt-55 positron emission tomography in ischemic stroke. <b>1997</b> , 99, 6-10  | 28  |
| 641 | Neuroprotective therapy for argon-laser induced retinal injury. <b>1997</b> , 65, 485-95   | 33  |
| 640 | Glycine causes increased excitability and neurotoxicity by activation of NMDA receptors in the hippocampus. <b>1997</b> , 145, 235-44  | 29  |
| 639 | Anoxia-induced neuronal injury: role of Na <sup>+</sup> entry and Na <sup>+</sup> -dependent transport. <b>1997</b> , 146, 403-13  | 30  |
| 638 | Differential inhibition by riluzole, lamotrigine, and phenytoin of sodium and calcium currents in cortical neurons: implications for neuroprotective strategies. <b>1997</b> , 147, 115-22 | 112 |
| 637 | Experimental neuronal protection in cerebral ischaemia part I: experimental models and pathophysiological responses. <b>1997</b> , 4, 96-113   | 5   |
| 636 | Roles of phospholipases A2 in brain cell and tissue injury associated with ischemia and excitotoxicity. <b>1997</b> , 16, 199-208  | 21  |
| 635 | Roles of phospholipases A2 in brain cell and tissue injury associated with ischemia and excitotoxicity. <b>1997</b> , 17, 71-9   | 20  |
| 634 | Stress effects on morphology and function of the hippocampus. <b>1997</b> , 821, 271-84  | 318 |
| 633 | Long-lasting changes in synaptic excitability induced by anoxia in the rat hippocampus. <b>1997</b> , 21, 211-32   | 9   |
| 632 | The influence of nimodipine and MK-801 on the brain free arachidonic acid level and the learning ability in hypoxia-exposed rats. <b>1997</b> , 21, 345-58                                 | 14  |
| 631 | Altered glutamatergic transmission in neurological disorders: from high extracellular glutamate to excessive synaptic efficacy. <b>1997</b> , 51, 39-87                                    | 262 |
| 630 | Retinal protein kinase C. <b>1997</b> , 30, 119-36   | 59  |
| 629 | Efflux of glutamate into the perilymph of the cochlea following transient ischemia in the gerbil. <b>1997</b> , 230, 69-71   | 46  |
| 628 | Extracellular sodium concentration has diverse effects on the hypoxia-induced increase in intracellular Ca <sup>2+</sup> in rat hippocampal slices. <b>1997</b> , 232, 163-6               | 6   |
| 627 | Modulation of cerebral calcium homeostasis in rats by angiotensin II in vivo. <b>1997</b> , 223, 149-52  | 2   |

|     |   |     |     |
|-----|---|-----|-----|
| 626 | Effects of glutamate receptor agonists and antagonists on Ca <sup>2+</sup> uptake in rat hippocampal slices lesioned by glucose deprivation or by kainate. <b>1997</b> , 77, 97-109   |     | 7   |
| 625 | A calpain inhibitor attenuates cortical cytoskeletal protein loss after experimental traumatic brain injury in the rat. <b>1997</b> , 77, 875-88  |     | 150 |
| 624 | Calcineurin in the adult rat hippocampus: different distribution in CA1 and CA3 subfields. <b>1997</b> , 78, 673-84   |     | 26  |
| 623 | Intracellular calcium redistribution accompanies changes in total tissue Na <sup>+</sup> , K <sup>+</sup> and water during the first two hours of in vitro incubation of hippocampal slices. <b>1997</b> , 79, 1013-22                              |     | 28  |
| 622 | The effects of artificial calcium buffers on calcium responses and glutamate-mediated excitotoxicity in cultured hippocampal neurons. <b>1997</b> , 81, 673-87  |     | 32  |
| 621 | State of actin filaments is changed by anoxia in cultured rat neocortical neurons. <b>1998</b> , 82, 421-7  |     | 20  |
| 620 | Hypoxic-ischemic Brain Injury in the Newborn. <b>1997</b> , 24, 627-654   |     | 69  |
| 619 | Effects of AE0047 on cerebral ischaemia and oedema after middle cerebral artery occlusion in cats. <b>1997</b> , 24, 824-30   |     | 2   |
| 618 | Voltage-activated calcium channels: targets of antiepileptic drug therapy?. <b>1997</b> , 38, 959-65  |     | 103 |
| 617 | The calpain proteolytic system in neonatal hypoxic-ischemia. <b>1997</b> , 825, 104-19  |     | 18  |
| 616 | Neuroprotection in surgery. Development of a pharmacologic cocktail for intraoperative use. <b>1997</b> , 825, 288-304  |     | 5   |
| 615 | Pathogenesis of decreased glucose turnover and oxidative phosphorylation in ischemic and trauma-induced dementia of the Alzheimer type. <b>1997</b> , 826, 229-41   |     | 26  |
| 614 | Effects of the AMPA-receptor antagonist, NBQX, on neuron loss in dentate hilus of the hippocampal formation after 8, 10, or 12 min of cerebral ischemia in the rat. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1997</b> , 17, 147-52 | 7-3 | 12  |
| 613 | Deep prepiriform cortex modulates neuronal cell death in global ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1997</b> , 17, 356-60   | 7-3 | 8   |
| 612 | Neuroprotective properties of the benzodiazepine receptor, partial agonist PNU-101017 in the gerbil forebrain ischemia model. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1997</b> , 17, 875-83                                       | 7-3 | 18  |
| 611 | In vivo uptake of [3H]nimodipine in focal cerebral ischemia: modulation by hyperglycemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1997</b> , 17, 1057-65  | 7-3 | 7   |
| 610 | Effects of riluzole on rat cortical neurones: an in vitro electrophysiological study. <b>1997</b> , 120, 225-30   |     | 40  |
| 609 | NEUROSURGERY FOR THE PATIENT WITH CARDIAC DISEASE. <i>Anesthesiology Clinics</i> , <b>1997</b> , 15, 159-170  |     | 2   |



|     |  |     |
|-----|--|-----|
| 608 | Mechanisms of neuronal cell injury/death and targets for drug intervention. <b>1997</b> , 2, 219-228   | 23  |
| 607 | Pharmacologic blockade of non-NMDA receptors at deep prepiriform cortex attenuates heat shock protein expression in global ischemia. <b>1997</b> , 746, 59-62  | 5   |
| 606 | AMPA receptor antagonist, YM90K, reduces infarct volume in thrombotic distal middle cerebral artery occlusion in spontaneously hypertensive rats. <b>1997</b> , 753, 80-5  | 26  |
| 605 | Involvement of platelet-activating factor (PAF) in glutamate neurotoxicity in rat neuronal cultures. <b>1997</b> , 754, 72-8   | 34  |
| 604 | Acute rise in the concentration of free cytoplasmic calcium leads to dephosphorylation of the microtubule-associated protein tau. <b>1997</b> , 757, 93-101  | 33  |
| 603 | Beneficial effects of TDN-345, a novel Ca <sup>2+</sup> antagonist, on ischemic brain injury and cerebral glucose metabolism in experimental animal models with cerebrovascular lesions. <b>1997</b> , 762, 203-10 | 3   |
| 602 | Neuronal recovery after moderate hypoxia is improved by the calpain inhibitor MDL28170. <b>1997</b> , 769, 188-92  | 22  |
| 601 | Developmental changes of RNA editing of glutamate receptor subunits GluR5 and GluR6: in vivo versus in vitro. <b>1997</b> , 98, 271-80   | 41  |
| 600 | Can the Indo-1 fluorescence approach measure brain intracellular calcium in vivo? A multiparametric study of cerebrocortical anoxia and ischemia. <b>1997</b> , 21, 115-24   | 5   |
| 599 | Postischemic hypothermia. A critical appraisal with implications for clinical treatment. <b>1997</b> , 14, 171-201   | 250 |
| 598 | Short-term changes in NADPH-diaphorase reactivity in rat brain following perinatal asphyxia. Neuroprotective effects of cold treatment. <b>1997</b> , 31, 301-16   | 15  |
| 597 | Blockade of spreading depression in chronic epileptic rats: reversion by diazepam. <b>1997</b> , 27, 33-40   | 50  |
| 596 | Response of glial cells to ischemia: roles of reactive oxygen species and glutathione. <b>1997</b> , 21, 151-66  | 135 |
| 595 | Inhibitory mechanisms in cerebral ischemia: a brief review. <b>1997</b> , 21, 219-26   | 20  |
| 594 | Neurotransmitters in cerebrospinal fluid reflect pathological activity. <b>1997</b> , 27, 1038-43  | 135 |
| 593 | Cardiac surgery in the young infant: An in vivo model for the study of hypoxic-ischemic brain injury?. <b>1997</b> , 3, 49-58  | 4   |
| 592 | Glutamate transport and metabolism in astrocytes. <b>1997</b> , 21, 56-63  | 207 |
| 591 | Beneficial effects of Tadenan therapy after two weeks of partial obstruction in the rabbit. <b>1997</b> , 16, 583-99   | 25  |

|     |   |     |     |
|-----|---|-----|-----|
| 590 | Continuous monitoring and regulating of brain temperature in the conscious and freely moving ischemic gerbil: Effect of MK-801 on delayed neuronal death in hippocampal CA1. <b>1997</b> , 47, 440-448  |     | 40  |
| 589 | Neural transplantation as an experimental treatment modality for cerebral ischemia. <b>1997</b> , 21, 79-90   |     | 64  |
| 588 | Brain cooling during transient focal ischemia provides complete neuroprotection. <b>1997</b> , 21, 31-44  |     | 222 |
| 587 | Pathophysiology of the ischemic penumbra--revision of a concept. <b>1998</b> , 18, 621-38   |     | 73  |
| 586 | Mechanisms of neuronal cell death in Wernicke's encephalopathy. <b>1998</b> , 13, 97-122  |     | 90  |
| 585 | Immunoblot analyses of the relative contributions of cysteine and aspartic proteases to neurofilament breakdown products following experimental brain injury in rats. <b>1998</b> , 23, 1265-76   |     | 31  |
| 584 | On the inhibition of voltage activated calcium currents in rat cortical neurones by the neuroprotective agent 619C89. <b>1998</b> , 125, 1058-64  |     | 16  |
| 583 | The inraischemic and early reperfusion changes of protein synthesis in the rat brain. eIF-2 alpha kinase activity and role of initiation factors eIF-2 alpha and eIF-4E. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1998</b> , 18, 59-66 | 7.3 | 36  |
| 582 | Reoxygenation increases the release of reactive oxygen intermediates in murine microglia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1998</b> , 18, 670-4  | 7.3 | 29  |
| 581 | Metabolic inhibition potentiates AMPA-induced Ca <sup>2+</sup> fluxes and neurotoxicity in rat cerebellar granule cells. <b>1998</b> , 779, 194-204   |     | 24  |
| 580 | Intracellular acidification induced by membrane depolarization in rat hippocampal slices: roles of intracellular Ca <sup>2+</sup> and glycolysis. <b>1998</b> , 780, 86-94  |     | 36  |
| 579 | Analysis of c-Fos and glial fibrillary acidic protein (GFAP) expression following topical application of potassium chloride (KCl) to the brain surface. <b>1998</b> , 784, 71-81  |     | 8   |
| 578 | Hypothermia attenuates the activation of protein kinase C in focal ischemic rat brain: dual autoradiographic study of [3H]phorbol 12,13-dibutyrate and iodo[14C]antipyrine. <b>1998</b> , 782, 348-51   |     | 9   |
| 577 | Effect of preceding in vivo sublethal ischemia on the evoked potentials during secondary in vitro hypoxia evaluated with gerbil hippocampal slices. <b>1998</b> , 784, 316-20   |     | 17  |
| 576 | Confocal laser scanning microscopy used to monitor intracellular Ca <sup>2+</sup> changes in hippocampal CA 1 neurons during energy deprivation. <b>1998</b> , 785, 58-65   |     | 13  |
| 575 | Temporal ordering of pathogenic events following transient global ischemia. <b>1998</b> , 790, 1-13   |     | 51  |
| 574 | Depletion of intracellular Ca <sup>2+</sup> stores or lowering extracellular calcium alters intracellular Ca <sup>2+</sup> changes during cerebral energy deprivation. <b>1998</b> , 796, 125-31  |     | 25  |
| 573 | Comparative neuroprotective properties of the benzodiazepine receptor full agonist diazepam and the partial agonist PNU-101017 in the gerbil forebrain ischemia model. <b>1998</b> , 798, 325-9   |     | 15  |

|     |   |      |
|-----|---|------|
| 572 | Involvement of the glutamate transporter and the sodium-calcium exchanger in the hypoxia-induced increase in intracellular Ca <sup>2+</sup> in rat hippocampal slices. <b>1998</b> , 813, 351-8           | 15   |
| 571 | Neuroprotective effect of 5-HT <sub>1A</sub> receptor agonist, Bay X 3702, demonstrated in vitro and in vivo. <b>1998</b> , 359, 251-60   | 83   |
| 570 | Ca <sup>2+</sup> channel antagonists and neuroprotection from cerebral ischemia. <b>1998</b> , 363, 1-15  | 102  |
| 569 | Therapeutic effects of AE0047, a novel calcium antagonist, on progression of brain damage after stroke in stroke-prone spontaneously hypertensive rats. <b>1998</b> , 30, 379-86                          | 5    |
| 568 | Metabolic inhibition increases glutamate susceptibility on a PC12 cell line. <b>1998</b> , 51, 360-70   | 20   |
| 567 | Interneurons of the hippocampus. <b>1996</b> , 6, 347-470   | 2602 |
| 566 | An electrophysiological analysis of the protective effects of felbamate, lamotrigine, and lidocaine on the functional recovery from in vitro ischemia in rat neocortical slices. <b>1998</b> , 30, 371-9  | 17   |
| 565 | Pyridazino[4,5-b]quinolinediones: Novel glycine/N-methyl-D-aspartate antagonists for the treatment of stroke. <b>1998</b> , 35, 1171-1186   | 6    |
| 564 | Neuroprotection--rationale for pharmacological modulation of Na <sup>(+)</sup> -channels. <b>1998</b> , 14, 151-8   | 16   |
| 563 | Dephosphorylation of tau during transient forebrain ischemia in the rat. <b>1998</b> , 34, 103-20   | 37   |
| 562 | Effect of starvation and insulin-induced hypoglycemia on oxidative stress scavenger system and electron transport chain complexes from rat brain, liver, and kidney. <b>1998</b> , 34, 157-68             | 26   |
| 561 | Role of calcium and phosphoinositide cell regulatory system in adaptation of neurons in olfactory cortex section to In Vitro hypoxia. <b>1998</b> , 125, 227-229  |      |
| 560 | Biphasic changes in F3/contactin expression in the gerbil hippocampus after transient ischemia. <b>1998</b> , 122, 227-34   | 8    |
| 559 | Calcium and neuronal death. <b>1998</b> , 132, 79-125   | 81   |
| 558 | Inhibition of ischaemic hippocampal neuronal death in primates with cathepsin B inhibitor CA-074: a novel strategy for neuroprotection based on 'calpain-cathepsin hypothesis'. <b>1998</b> , 10, 1723-33 | 197  |
| 557 | Intracellular Ca <sup>2+</sup> during metabolic activation of KATP channels in spontaneously active dorsal vagal neurons in medullary slices. <b>1998</b> , 10, 2574-85                                   | 25   |
| 556 | Spreading depression determines acute cellular damage in the hippocampal slice during oxygen/glucose deprivation. <b>1998</b> , 10, 3451-61   | 63   |
| 555 | Postischemic changes of. <b>1998</b> , 5, 195-201   |      |

|     |   |     |
|-----|---|-----|
| 554 | The Dorothy Russell Memorial Lecture. The molecular and cellular sequelae of experimental traumatic brain injury: pathogenetic mechanisms. <b>1998</b> , 24, 251-67                                   | 198 |
| 553 | Oxygen sensitivity of mitochondrial redox status and evoked potential recovery early during reperfusion in post-ischemic rat brain. <b>1998</b> , 37, 33-41   | 31  |
| 552 | Maturation change of KCl-induced Ca <sup>2+</sup> increase in the rat brain synaptosomes. <b>1998</b> , 20, 234-8   | 7   |
| 551 | Mild hypothermia--a revived countermeasure against ischemic neuronal damages. <b>1998</b> , 32, 103-17  | 76  |
| 550 | GluR2 hippocampal knockdown reveals developmental regulation of epileptogenicity and neurodegeneration. <b>1998</b> , 61, 224-31  | 32  |
| 549 | Protective effect of GV150526A on the glutamate-induced changes in basal and electrically-stimulated cytosolic Ca <sup>++</sup> in primary cultured cerebral cortical cells. <b>1998</b> , 32, 345-51 | 5   |
| 548 | Methylmalonate toxicity in primary neuronal cultures. <b>1998</b> , 86, 279-90  | 90  |
| 547 | Apoptotic neuronal death following cerebral ischaemia. <b>1998</b> , 5, 125-45  | 9   |
| 546 | Extracellular presence of IL-8 in the astrocyte-rich cultured cerebellar granule cells under acidosis. <b>1998</b> , 63, 1037-46  | 12  |
| 545 | Gabapentin inhibits calcium currents in isolated rat brain neurons. <b>1998</b> , 37, 83-91   | 173 |
| 544 | Activity-stress induces atrophy of apical dendrites of hippocampal pyramidal neurons in male rats. <b>1998</b> , 65, 43-9   | 70  |
| 543 | Mechanisms of cerebral injury in perinatal asphyxia and strategies for prevention. <b>1998</b> , 132, S30-4   | 67  |
| 542 | Role of mitochondria in oxidative stress and ageing. <b>1998</b> , 1366, 53-67  | 462 |
| 541 | Developmental expression of calcium-binding protein-containing neurons in neocortical transplants. <b>1998</b> , 7, 121-9   | 4   |
| 540 | The role of calcium in apoptosis. <b>1998</b> , 23, 173-80  | 394 |
| 539 | Calpain inhibitors as potential treatment for stroke and other neurodegenerative diseases: recent trends and developments. <b>1998</b> , 8, 1707-1727   | 35  |
| 538 | Indirect glutamate neurotoxicity. <b>1998</b> , 15, 141-7   | 4   |
| 537 | Synaptic distribution of GluR2 in hippocampal GABAergic interneurons and pyramidal cells: a double-label immunogold analysis. <b>1998</b> , 150, 1-13   | 47  |

|     |   |         |
|-----|---|---------|
| 536 | Differential effects of anoxia and glutamate on cultured neocortical neurons. <b>1998</b> , 150, 52-9   | 16      |
| 535 | Induction of calcitonin gene-related peptide-like immunoreactivity in hippocampal neurons following ischemia: a putative regional modulator of the CNS injury/immune response. <b>1998</b> , 150, 195-205 | 31      |
| 534 | The effect of the adrenocorticotropin-(4-9) analogue, ORG 2766, and of dizolcipine (MK-801) on infarct volume in rat brain. <b>1998</b> , 346, 159-65   | 6       |
| 533 | Potassium Channels in Neuropsychiatric Disorders. <b>1998</b> , 10, 61-82   | 4       |
| 532 | Novel pharmacologic strategies in the treatment of experimental traumatic brain injury: 1998. <b>1998</b> , 15, 731-69  | 275     |
| 531 | Neuroprotective effects of NPS 846, a novel N-methyl-D-aspartate receptor antagonist, after closed head trauma in rats. <b>1998</b> , 88, 1066-74   | 12      |
| 530 | AMPA Receptors: Players in Calcium-Mediated Neuronal Injury?. <b>1998</b> , 4, 149-153  | 1       |
| 529 | Interleukin 3 prevents delayed neuronal death in the hippocampal CA1 field. <b>1998</b> , 188, 635-49   | 61      |
| 528 | Neurobiology of stroke. <b>1998</b> , 42, 55-101  | 22      |
| 527 | Pathways of cerebral calcium accumulation in a model of focal ischemia in rats. <b>1998</b> , 20, 169-77  | 1       |
| 526 | Hypothermia influences time course of intracranial pressure, brain temperature, EEG and microcirculation during ischemia-reperfusion. <b>1998</b> , 20 Suppl 1, S52-60                                    | 12      |
| 525 | Cranio-cerebral trauma: protection and retrieval of the neuronal population after injury. <i>Neurosurgery</i> , <b>1998</b> , 43, 723-37; discussion 737-8  | 3.2 108 |
| 524 | Glutamate in the human brain: possible roles in synaptic transmission and ischemia. <b>1998</b> , 116, 287-302  | 8       |
| 523 | Inhibition of poly(ADP-ribose) polymerase: reduction of ischemic injury and attenuation of N-methyl-D-aspartate-induced neurotransmitter dysregulation. <b>1998</b> , 29, 830-6                           | 121     |
| 522 | L-type Ca <sup>2+</sup> channel blockers attenuate electrical changes and Ca <sup>2+</sup> rise induced by oxygen/glucose deprivation in cortical neurons. <b>1998</b> , 29, 196-201; discussion 202      | 62      |
| 521 | Optimal depth and duration of mild hypothermia in a focal model of transient cerebral ischemia: effects on neurologic outcome, infarct size, apoptosis, and inflammation. <b>1998</b> , 29, 2171-80       | 292     |
| 520 | Basic fibroblast growth factor: a potential therapeutic agent for the treatment of acute neurodegenerative disorders and vascular insufficiency. <b>1998</b> , 8, 1425-1445                               | 4       |
| 519 | Dietary Antioxidant Deficiency Facilitates Cortical Spreading Depression Induced by Photoactivated Riboflavin. <b>1998</b> , 1, 205-12  | 26      |

|     |   |     |
|-----|---|-----|
| 518 | Reduced calcium elevation in hippocampal CA1 neurons of ischemia-tolerant gerbils. <b>1998</b> , 9, 1875-8  | 43  |
| 517 | The mGlu receptor ligand (S)-4C3HPG protects neurons after global ischaemia in gerbils. <b>1998</b> , 9, 985-8  | 44  |
| 516 | Functional change of NMDA receptors related to enhancement of susceptibility to neurotoxicity in the developing pontine nucleus. <b>1998</b> , 18, 7941-52                                    | 43  |
| 515 | Developmental Expression of Calcium-Binding Protein-Containing Neurons in Neocortical Transplants. <b>1998</b> , 7, 121-129   | 5   |
| 514 | Cyclosporin A, but not FK 506, protects mitochondria and neurons against hypoglycemic damage and implicates the mitochondrial permeability transition in cell death. <b>1998</b> , 18, 5151-9 | 327 |
| 513 | Upregulation of L-type Ca <sup>2+</sup> channels in reactive astrocytes after brain injury, hypomyelination, and ischemia. <b>1998</b> , 18, 2321-34  | 124 |
| 512 | Na <sup>+</sup> /Ca <sup>2+</sup> exchange in catfish retina horizontal cells: regulation of intracellular Ca <sup>2+</sup> store function. <b>1998</b> , 274, C1625-33                       | 20  |
| 511 | Intracellular calcium and cell death during ischemia in neonatal rat white matter astrocytes in situ. <b>1998</b> , 18, 7232-43   | 79  |
| 510 | Magnesium chloride alone or in combination with diazepam fails to prevent hippocampal damage following transient forebrain ischemia. <b>1999</b> , 32, 1285-93                                | 14  |
| 509 | Changes in the calcium dependence of glutamate transmission in the hippocampal CA1 region after brief hypoxia-hypoglycemia. <b>1999</b> , 82, 1147-55   | 22  |
| 508 | Seizure-induced cell death produced by repeated tetanic stimulation in vitro: possible role of endoplasmic reticulum calcium stores. <b>1999</b> , 81, 3054-64                                | 46  |
| 507 | Reduced voltage-dependent Ca <sup>2+</sup> signaling in CA1 neurons after brief ischemia in gerbils. <b>1999</b> , 81, 299-306  | 36  |
| 506 | Unilateral GluR2(B) hippocampal knockdown: a novel partial seizure model in the developing rat. <b>1999</b> , 19, 9412-25   | 34  |
| 505 | Neuronal damage in gerbils caused by intermittent forebrain ischemia. <b>1999</b> , 91, 835-42  | 8   |
| 504 | Serial study of apparent diffusion coefficient and anisotropy in patients with acute stroke. <b>1999</b> , 30, 2382-90  | 163 |
| 503 | Survival and outcome after endotracheal intubation for acute stroke. <b>1999</b> , 52, 1374-81  | 79  |
| 502 | Tissue plasminogen activator does not increase neuronal damage in rat models of global and focal ischemia. <b>1999</b> , 52, 1381-4   | 52  |
| 501 | Calpastatin is up-regulated in response to hypoxia and is a suicide substrate to calpain after neonatal cerebral hypoxia-ischemia. <b>1999</b> , 274, 14046-52                                | 94  |

|     |  |     |     |
|-----|--|-----|-----|
| 500 | Immunohistochemical localization of lysosomal cysteine protease cathepsins B and L in monkey hippocampal neurons after transient ischemia. <b>1999</b> , 19, 302-310   |     | 1   |
| 499 | Ca <sup>2+</sup> store-dependent potentiation of Ca <sup>2+</sup> -activated non-selective cation channels in rat hippocampal neurones in vitro. <b>1999</b> , 521 Pt 3, 617-27  |     | 33  |
| 498 | Apoptosis and necrosis in cerebrovascular disease. <b>1999</b> , 893, 243-53   |     | 111 |
| 497 | GluR2 antisense knockdown produces seizure behavior and hippocampal neurodegeneration during a critical window. <b>1999</b> , 868, 541-5   |     | 7   |
| 496 | An 18-mer peptide fragment of prosaposin ameliorates place navigation disability, cortical infarction, and retrograde thalamic degeneration in rats with focal cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>1999</b> , 19, 298-306 | 7-3 | 24  |
| 495 | NMDA receptor-mediated calcium influx in cerebral cortical synaptosomes of the hypoxic guinea pig fetus. <b>1999</b> , 24, 437-46  |     | 71  |
| 494 | Biochemical and molecular characteristics of the brain with developing cerebral infarction. <b>1999</b> , 19, 93-108   |     | 78  |
| 493 | Glutamate receptor requirement for neuronal death from anoxia-reoxygenation: an in Vitro model for assessment of the neuroprotective effects of estrogens. <b>1999</b> , 19, 705-18  |     | 77  |
| 492 | Hypothermia prevents biphasic glutamate release and corresponding neuronal degeneration after transient spinal cord ischemia in the rat. <b>1999</b> , 19, 199-208   |     | 16  |
| 491 | Alterations of calcium/calmodulin-dependent protein kinase II activity in ischaemia-induced neuronal death and neuronal protection against ischaemia in the gerbil hippocampus. <b>1999</b> , 141, 287-94  |     | 5   |
| 490 | Hypoxia and neuronal function under in vitro conditions. <b>1999</b> , 82, 71-86   |     | 46  |
| 489 | Ischemic brain edema. <b>1999</b> , 42, 209-16   |     | 183 |
| 488 | Neuroprotective action of a novel compound--M50463--in primary cultured neurons. <b>1999</b> , 815, 131-9  |     | 3   |
| 487 | Diazepam-induced neuroprotection: dissociating the effects of hypothermia following global ischemia. <b>1999</b> , 829, 1-6  |     | 41  |
| 486 | Evidence from cultured rat cortical neurons of differences in the mechanism of ischemic preconditioning of brain and heart. <b>1999</b> , 827, 143-51  |     | 53  |
| 485 | Activities of calcineurin and phosphatase 2A in the hippocampus after transient forebrain ischemia. <b>1999</b> , 828, 135-44  |     | 19  |
| 484 | Release of cytochrome c from mitochondria to cytosol in gerbil hippocampal CA1 neurons after transient forebrain ischemia. <b>1999</b> , 849, 216-9  |     | 34  |
| 483 | Effects of stobadine, melatonin, and other antioxidants on hypoxia/reoxygenation-induced synaptic transmission failure in rat hippocampal slices. <b>1999</b> , 850, 118-26  |     | 22  |

|     |   |     |
|-----|---|-----|
| 482 | Parallel dose-response studies of the voltage-dependent Na <sup>+</sup> channel antagonist BW619C89, and the voltage-dependent Ca <sup>2+</sup> channel antagonist nimodipine, in rat transient focal cerebral ischaemia. <b>1999</b> , 364, 99-105 | 10  |
| 481 | Effects of prolyl endopeptidase inhibitors and neuropeptides on delayed neuronal death in rats. <b>1999</b> , 372, 135-42   | 38  |
| 480 | Ontogenetic aspects of traumatic brain edema--facts and suggestions. <b>1999</b> , 51, 143-50   | 14  |
| 479 | Neuroprotective effects of riluzole: an electrophysiological and histological analysis in an in vitro model of ischemia. <b>1999</b> , 32, 147-52   | 23  |
| 478 | Calcitonin gene-related peptide immunoreactivity in the hippocampus and its relationship to cellular changes following exposure to trimethyltin. <b>1999</b> , 55, 441-57   | 10  |
| 477 | Ionotropic Glutamate Receptors in the CNS. <b>1999</b> ,  | 16  |
| 476 | Hypoglycemia in children with type 1 diabetes mellitus. Risk factors, cognitive function, and management. <b>1999</b> , 28, 883-900   | 45  |
| 475 | Disturbances of Calcium Homeostasis in Ischaemic Stroke. <b>1999</b> , 11, 373-386  | 9   |
| 474 | Hippocampal neuronal death following deep hypothermic circulatory arrest in dogs: involvement of apoptosis. <b>1999</b> , 7, 558-64   | 16  |
| 473 | A global hypoxia preconditioning model: neuroprotection against seizure-induced specific gravity changes (edema) and brain damage in rats. <b>1999</b> , 4, 360-6   | 31  |
| 472 | The significance of cobalt-55 positron emission tomography in ischemic stroke. <b>1999</b> , 8, 17-21   | 13  |
| 471 | Increased intracellular Ca <sup>2+</sup> concentration in the hippocampal CA1 area during global ischemia and reperfusion in the rat: a possible cause of delayed neuronal death. <b>1999</b> , 88, 57-67   | 52  |
| 470 | Transient hypoxia may lead to neuronal proliferation in the developing mammalian brain: from apoptosis to cell cycle completion. <b>1999</b> , 91, 221-31   | 42  |
| 469 | Neuroprotective effect of mild hypothermia cannot be explained in terms of a reduction of glutamate release during ischemia. <b>1999</b> , 91, 501-9  | 23  |
| 468 | Changes in excitatory and inhibitory circuits of the rat hippocampus 12-14 months after complete forebrain ischemia. <b>1999</b> , 92, 27-45  | 54  |
| 467 | Distribution of glutamate and preproenkephalin messenger RNAs following transient focal cerebral ischemia. <b>2000</b> , 95, 841-57   | 18  |
| 466 | Pathophysiology of perinatal brain damage. <b>1999</b> , 30, 107-34   | 150 |
| 465 | Breed differences in deafferentation-induced neuronal cell death and shrinkage in chick cochlear nucleus. <b>1999</b> , 127, 62-76  | 20  |



|     |   |       |
|-----|---|-------|
| 464 | Potential role of calcineurin for brain ischemia and traumatic injury. <b>1999</b> , 58, 1-30   | 115   |
| 463 | Ciliary neurotrophic factor protects hippocampal neurons from excitotoxic damage. <b>1999</b> , 35, 1-10  | 19    |
| 462 | CPP antagonizes hypoxia-induced changes in dopamine metabolism in the striatum of newborn rat. <b>1999</b> , 35, 347-50   | 3     |
| 461 | Effect of calcium channel blockers on cerebral ischemia-induced hyperactivity in Mongolian gerbils. <b>1999</b> , 67, 573-7   | 5     |
| 460 | Neurotrauma care in the new millennium. <b>1999</b> , 79, 1449-70   | 3     |
| 459 | <sup>55</sup> Cobalt (Co) as a PET-tracer in stroke, compared with blood flow, oxygen metabolism, blood volume and gadolinium-MRI. <b>1999</b> , 171, 11-8  | 31    |
| 458 | Moderate posttraumatic hypothermia decreases early calpain-mediated proteolysis and concomitant cytoskeletal compromise in traumatic axonal injury. <b>1999</b> , 159, 319-28   | 105   |
| 457 | Brain metabolic and ionic responses to systemic hypoxia in the newborn dog in vivo. <b>1999</b> , 21, 765-70  | 4     |
| 456 | Neuroprotective therapy for argon-laser-induced retinal injury. <b>1999</b> ,   |       |
| 455 | Nimodipine and perfusion changes after stroke. <b>1999</b> , 30, 1417-23  | 34    |
| 454 | 1,4-Dihydropyridine calcium channel blockers inhibit plasma and LDL oxidation and formation of oxidation-specific epitopes in the arterial wall and prolong survival in stroke-prone spontaneously hypertensive rats. <b>1999</b> , 30, 1907-15 | 57    |
| 453 | Neuroprotection and the ischemic cascade. <b>2000</b> , 5, 52-8   | 38    |
| 452 | Cations of cisternal cerebrospinal fluid in humans and the effect of different doses of nimodipine on CSF calcium after stroke. <b>2000</b> , 23, 318-23  | 3     |
| 451 | Hearing loss and glutamate efflux in the perilymph following transient hindbrain ischemia in gerbils. <b>2000</b> , 418, 217-26   | 38    |
| 450 | Expression of neuron specific phosphatase, striatal enriched phosphatase (STEP) in reactive astrocytes after transient forebrain ischemia. <b>2000</b> , 29, 316-329  | 11    |
| 449 | Early morphologic alterations in trophically deprived neuronal death in vitro occur without alterations in cytoplasmic Ca <sup>2+</sup> . <b>2000</b> , 424, 377-396  | 10    |
| 448 | Physiological blocking of the mechanisms of cold death: theoretical and experimental considerations. <b>2000</b> , 25, 467-479  | 24    |
| 447 | Periinfarct and remote excitability changes after transient middle cerebral artery occlusion. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2000</b> , 20, 45-52  | 73 87 |

|     |  |     |     |
|-----|--|-----|-----|
| 446 | Hypoglycemic brain injury: potentiation from respiratory depression and injury aggravation from hyperglycemic treatment overshoots. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2000</b> , 20, 82-92 | 7-3 | 37  |
| 445 | Inhibition of neuronal Ca(2+) influx by gabapentin and subsequent reduction of neurotransmitter release from rat neocortical slices. <b>2000</b> , 130, 900-6  |     | 116 |
| 444 | Effects of arachidonic acid on unitary calcium currents in rat sympathetic neurons. <b>2000</b> , 525 Pt 2, 391-404  |     | 37  |
| 443 | Post-resuscitation therapies. <b>2000</b> , 14, 537-566  |     |     |
| 442 | Update on perinatal hypoxic insult: mechanism, diagnosis and interventions. <b>2000</b> , 4, 203-9   |     | 22  |
| 441 | Electrical responses in hippocampal slices after prolonged global ischemia: effects of neuroprotectors. <b>2000</b> , 863, 66-70   |     | 3   |
| 440 | Blocking the glycine-binding site of NMDA receptors prevents the progression of ischemic pathology induced by bilateral carotid artery occlusion in spontaneously hypertensive rats. <b>2000</b> , 871, 311-8      |     | 15  |
| 439 | Enhancement of whole cell calcium currents following transient MCAO. <b>2000</b> , 884, 129-38   |     | 13  |
| 438 | The AMPAR subunit GluR2: still front and center-stage. <b>2000</b> , 886, 190-207  |     | 202 |
| 437 | Acute protective effect of nimodipine and dimethyl sulfoxide against hypoxic and ischemic damage in brain slices. <b>2000</b> , 887, 316-22  |     | 19  |
| 436 | Ameliorative effects of tamolarizine on place learning impairment induced by transient forebrain ischemia in rats. <b>2000</b> , 853, 81-92  |     | 6   |
| 435 | Free radicals are involved in the damage to protein synthesis after anoxia/aglycemia and NMDA exposure. <b>2000</b> , 857, 172-82  |     | 20  |
| 434 | Neuronal cell death and reactive oxygen species. <b>2000</b> , 20, 433-50  |     | 26  |
| 433 | Phospholipases A2 in ischemic and toxic brain injury. <b>2000</b> , 25, 745-53   |     | 61  |
| 432 | Selective vulnerability of pallidal neurons in the early phases of manganese intoxication. <b>2000</b> , 135, 544-51   |     | 44  |
| 431 | Levels of neurotransmitter amino acids in the cerebrospinal fluid of patients with acute ischemic insult. <b>2000</b> , 30, 491-5  |     | 15  |
| 430 | Differential activation of ATP-sensitive potassium channels during energy depletion in CA1 pyramidal cells and interneurons of rat hippocampus. <b>2000</b> , 439, 256-262   |     | 14  |
| 429 | Mitochondrial and intrinsic optical signals imaged during hypoxia and spreading depression in rat hippocampal slices. <b>2000</b> , 84, 311-24   |     | 68  |

|     |   |     |
|-----|---|-----|
| 428 | Recording of Death during Electroencephalography. <b>2000</b> , 40, 167-176   |     |
| 427 | The novel compound LOE 908 attenuates acute neuromotor dysfunction but not cognitive impairment or cortical tissue loss following traumatic brain injury in rats. <b>2000</b> , 17, 83-91   | 20  |
| 426 | Stanniocalcin: A molecular guard of neurons during cerebral ischemia. <b>2000</b> , 97, 3637-3642   | 139 |
| 425 | Involvement of extracellular signal-regulated protein kinase in gliosis induced during recovery from metabolic inhibition. <b>2000</b> , 267, 892-6   | 2   |
| 424 | Postischemic changes in the immunophilin FKBP12 in the rat brain. <b>2000</b> , 84, 58-66   | 21  |
| 423 | Neurotransmitters and pathophysiology of stroke: evidence for the release of glutamate and other transmitters/mediators in animals and humans. <b>2000</b> , 9, 2-8   | 47  |
| 422 | Increase in receptor binding affinity for nimodipine in the rat brain with permanent occlusion of bilateral carotid arteries. <b>2000</b> , 66, 1351-7  | 3   |
| 421 | Perinatal brain injury. <b>2000</b> , 28, 261-85  | 72  |
| 420 | Differential activation of ATP-sensitive potassium channels during energy depletion in CA1 pyramidal cells and interneurons of rat hippocampus. <b>2000</b> , 439, 256-62   | 25  |
| 419 | Calcium antagonists for acute ischemic stroke. <b>2000</b> , CD001928   | 46  |
| 418 | Assessment of Agents for the Treatment of Head Injury. <b>2000</b> , 13, 139-154  | 10  |
| 417 | MRI analysis of the changes in apparent water diffusion coefficient, T(2) relaxation time, and cerebral blood flow and volume in the temporal evolution of cerebral infarction following permanent middle cerebral artery occlusion in rats. <b>2001</b> , 169, 56-63 | 36  |
| 416 | Management of Brain Edema Complicating Stroke. <b>2001</b> , 16, 128-141  | 3   |
| 415 | Cross-tolerance to otherwise lethal N-methyl-D-aspartate and oxygen-glucose deprivation in preconditioned cortical cultures. <b>2001</b> , 107, 571-84  | 33  |
| 414 | Glutamate release and neuronal damage in ischemia. <b>2001</b> , 69, 369-81   | 261 |
| 413 | The novel calpain inhibitor SJA6017 improves functional outcome after delayed administration in a mouse model of diffuse brain injury. <b>2001</b> , 18, 1229-40  | 97  |
| 412 | Hypoxia-induced [(3)H]D-aspartate release from isolated bovine retina: modulation by calcium-channel blockers and glutamatergic agonists and antagonists. <b>2001</b> , 23, 386-92  | 14  |
| 411 | Mechanisms of spreading depression and hypoxic spreading depression-like depolarization. <b>2001</b> , 81, 1065-96  | 835 |

|     |   |     |     |
|-----|---|-----|-----|
| 410 | The Na(+)/H(+) exchanger SM-20220 attenuates ischemic injury in in vitro and in vivo models. <b>2001</b> , 63, 76-81  |     | 30  |
| 409 | Neurobiology of Interpreting and Responding to Stressful Events: Paradigmatic Role of the Hippocampus. <b>2001</b> , 155-178  |     | 3   |
| 408 | Effect of nicardipine and magnesium on cerebral infarction - brain surface perfusion technique. <b>2001</b> , 11, 44-50   |     | 7   |
| 407 | Mechanisms of Glucocorticoid Actions in Stress and Brain Aging. <b>2001</b> , 293-309   |     |     |
| 406 | Management of Brain Edema Complicating Stroke. <b>2001</b> , 16, 128-141  |     | 9   |
| 405 | The Prevention and Correction of Hypoglycemia. <b>2001</b> , 1057-1092  |     | 9   |
| 404 | Role of astrocytes in pathogenesis of ischemic brain injury. <b>2001</b> , 3, 205-21  |     | 35  |
| 403 | Endogenously released DOPA is a causal factor for glutamate release and resultant delayed neuronal cell death by transient ischemia in rat striata. <b>2001</b> , 76, 815-24                      |     | 30  |
| 402 | Tamoxifen inhibits nitrotyrosine formation after reversible middle cerebral artery occlusion in the rat. <b>2001</b> , 76, 1842-50  |     | 56  |
| 401 | Real-time, two-dimensional visualization of ischaemia-induced glutamate release from hippocampal slices. <b>2001</b> , 13, 670-8  |     | 12  |
| 400 | The nootropic drug vinpocetine inhibits veratridine-induced [Ca <sup>2+</sup> ] <sub>i</sub> increase in rat hippocampal CA1 pyramidal cells. <b>2001</b> , 26, 1095-100                          |     | 26  |
| 399 | Hypoglycemic neuropathy. <b>2001</b> , 102, 413-21  |     | 59  |
| 398 | Cortical spreading depression induces proinflammatory cytokine gene expression in the rat brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2001</b> , 21, 218-25                  | 7:3 | 138 |
| 397 | Adenosine in relation to calcium homeostasis: comparison between gray and white matter ischemia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2001</b> , 21, 503-10                  | 7:3 | 24  |
| 396 | Intraventricular administration of the neurotrophic factor midkine ameliorates hippocampal delayed neuronal death following transient forebrain ischemia in gerbils. <b>2001</b> , 894, 46-55     |     | 43  |
| 395 | Spatial and temporal distribution of N-type Ca(2+) channels in gerbil global cerebral ischemia. <b>2001</b> , 902, 294-300  |     | 13  |
| 394 | Autoradiographic localization of N-type VGCCs in gerbil hippocampus and failure of omega-conotoxin MVIIA to attenuate neuronal injury after transient cerebral ischemia. <b>2001</b> , 907, 61-70 |     | 14  |
| 393 | The effect of ethanol on metabolic, hemodynamic and electrical responses to cortical spreading depression. <b>2001</b> , 908, 174-86  |     | 32  |

|     |  |     |
|-----|--|-----|
| 392 | Effects of glutamate receptor agonist on extracellular glutamate dynamics during moderate cerebral ischemia. <b>2001</b> , 923, 178-86   | 9   |
| 391 | Risk factors for neurologic impairment among very low-birth-weight infants. <b>2001</b> , 8, 120-6   | 16  |
| 390 | Post-ischemic administration of DY-9760e, a novel calmodulin antagonist, reduced infarct volume in the permanent focal ischemia model of spontaneously hypertensive rat. <b>2001</b> , 23, 662-8 | 22  |
| 389 | Vatanidipine hydrochloride: a new long-lasting antihypertensive agent. <b>2001</b> , 10, 139-55  | 1   |
| 388 | Calcium antagonists for ischemic stroke: a systematic review. <b>2001</b> , 32, 570-6  | 131 |
| 387 | Neuroprotective agents in traumatic brain injury. <b>2001</b> , 10, 753-67   | 54  |
| 386 | Stellenwert fr̄zeitiger Langzeit-EEG-Ableitungen nach akuter zerebraler Isch̄mie. <b>2002</b> , 33, 34-41  | 2   |
| 385 | Lubeluzole pretreatment does not provide neuroprotection against transient global cerebral ischemia in fetal sheep near term. <b>2002</b> , 51, 517-22   |     |
| 384 | The Role of Calpain Proteolysis in Cerebral ischemia. <b>2002</b> , 75-84  |     |
| 383 | Protection and regrowth of the auditory nerve after deafness: neurotrophins, antioxidants and depolarization are effective in vivo. <b>2002</b> , 7, 175-9                                       | 35  |
| 382 | Diabetes, the brain, and behavior: is there a biological mechanism underlying the association between diabetes and depression?. <b>2002</b> , 51, 455-79   | 54  |
| 381 | The role of leukocytes following cerebral ischemia: pathogenic variable or bystander reaction to emerging infarct?. <b>2002</b> , 173, 168-81  | 131 |
| 380 | Effect of Oral Kohki Tea on Bladder Dysfunction Induced by Severe Partial Outlet Obstruction. <b>2002</b> , 167, 2260-2266   | 25  |
| 379 | Ischaemic brain oedema. <b>2002</b> , 9, 113-24  | 221 |
| 378 | Moderate hypoglycemia aggravates effects of hypoxia in hippocampal slices from diabetic rats. <b>2002</b> , 113, 11-21   | 17  |
| 377 | The effects of temperature on hypoxic-ischemic brain injury. <b>2002</b> , 29, 623-49, vi  | 80  |
| 376 | Diabetes Mellitus. <b>2002</b> , 553-592   |     |
| 375 | Pathophysiology of Central Nervpis System Trauma: Proteolytic Mechanisms and Related Therapeutic Approaches. <b>2002</b> , 199-226   |     |

|     |   |       |
|-----|---|-------|
| 374 | Spreading depression: a teleological means for self-protection from brain ischemia. <b>2002</b> , 142-158   | 7     |
| 373 | Depletion of intracellular calcium stores is toxic to SH-SY5Y neuronal cells. <b>2002</b> , 924, 159-66   | 64    |
| 372 | Modification of glutamate binding sites in newborn brain during hypoglycemia. <b>2002</b> , 927, 80-6   | 17    |
| 371 | Effects of LF 16-0687 Ms, a bradykinin B(2) receptor antagonist, on brain edema formation and tissue damage in a rat model of temporary focal cerebral ischemia. <b>2002</b> , 950, 268-78                            | 66    |
| 370 | DOPA causes glutamate release and delayed neuron death by brain ischemia in rats. <b>2002</b> , 24, 629-38  | 11    |
| 369 | Cardiovascular responses and nitric oxide production in cerebral ischemic rats. <b>2002</b> , 25, 697-703   | 6     |
| 368 | The calcium content of mitochondria from brain subregions following short-term forebrain ischemia and recirculation in the rat. <b>1994</b> , 63, 1812-9  | 97    |
| 367 | Activity of Ca <sup>2+</sup> /calmodulin-dependent protein kinase II following ischemia: a comparison between CA1 and dentate gyrus in a hippocampal slice model. <b>1994</b> , 63, 2217-24                           | 22    |
| 366 | Preincubation with creatine enhances levels of creatine phosphate and prevents anoxic damage in rat hippocampal slices. <b>1995</b> , 64, 2691-9  | 71    |
| 365 | Increase in chloride-dependent L-glutamate transport activity in synaptic membrane after in vitro ischemic treatment. <b>1995</b> , 65, 1798-804  | 7     |
| 364 | mu-calpain activation and calpain-mediated cytoskeletal proteolysis following traumatic brain injury. <b>1996</b> , 67, 1575-83   | 119   |
| 363 | Depletion of neuronal endoplasmic reticulum calcium stores by thapsigargin: effect on protein synthesis. <b>1996</b> , 67, 1735-43  | 71    |
| 362 | Dantrolene is cytoprotective in two models of neuronal cell death. <b>1996</b> , 67, 2390-8   | 117   |
| 361 | Changes in cerebral acyl-CoA concentrations following ischemia-reperfusion in awake gerbils. <b>1997</b> , 68, 2111-8   | 30    |
| 360 | Temporal analysis of changes in neuronal c-fos mRNA levels induced by depletion of endoplasmic reticulum calcium stores: effect of clamping cytoplasmic calcium activity at resting levels. <b>1997</b> , 69, 2538-45 | 35    |
| 359 | Rilmenidine elevates cytosolic free calcium concentration in suspended cerebral astrocytes. <b>1998</b> , 71, 1429-35   | 14    |
| 358 | Moderate hypothermia alters interleukin-6 and interleukin-1alpha reactions in ischemic brain in mice. <b>2002</b> , 53, 93-9  | 24    |
| 357 | Role of intracellular calcium stores in cell death from oxygen-glucose deprivation in a neuronal cell line. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2002</b> , 22, 206-14                           | 73 59 |

|     |  |     |
|-----|--|-----|
| 356 | Citrate, beneficial or deleterious in the CNS?. <b>2002</b> , 27, 155-9  | 2   |
| 355 | Inflammatory neurodegeneration mediated by nitric oxide, glutamate, and mitochondria. <b>2003</b> , 27, 325-55   | 346 |
| 354 | The adaptive effects of hypoxic preconditioning of brain neurons. <b>2003</b> , 33, 1-11   | 40  |
| 353 | Bioelectrical behaviour of hypoxic human neocortical tissue under the influence of nimodipine and dimethyl sulfoxide. <b>2003</b> , 959, 199-205   | 1   |
| 352 | Microtubule-associated protein 2 (MAP2) associates with the NMDA receptor and is spatially redistributed within rat hippocampal neurons after oxygen-glucose deprivation. <b>2003</b> , 978, 38-50   | 60  |
| 351 | Cyclosporin A prevents calpain activation despite increased intracellular calcium concentrations, as well as translocation of apoptosis-inducing factor, cytochrome c and caspase-3 activation in neurons exposed to transient hypoglycemia. <b>2003</b> , 85, 1431-42 | 78  |
| 350 | Cytoskeletal protein degradation and neurodegeneration evolves differently in males and females following experimental head injury. <b>2003</b> , 180, 55-73   | 85  |
| 349 | A novel model for prenatal brain damage. <b>2003</b> , 181, 270-280  | 30  |
| 348 | A new model for prenatal brain damage. <b>2003</b> , 181, 258-269  | 45  |
| 347 | Intracellular mechanisms of hypoxia-induced calcium increase in rat sensory neurons. <b>2003</b> , 410, 212-21   | 26  |
| 346 | Monitoring of serum ionized magnesium in neurosurgical intensive care unit: preliminary results. <b>2003</b> , 334, 211-5  | 23  |
| 345 | Decrease of PKC precedes other cellular signs of calpain activation in area CA1 of the hippocampus after transient cerebral ischemia. <b>2003</b> , 42, 205-14   | 20  |
| 344 | SM-31900, a novel NMDA receptor glycine-binding site antagonist, reduces infarct volume induced by permanent middle cerebral artery occlusion in spontaneously hypertensive rats. <b>2003</b> , 42, 375-84   | 7   |
| 343 | Expression of FKBP12 after brain ischemia. <b>2003</b> , 1252, 123-128   |     |
| 342 | Effects of commercial antiglaucoma drugs to glutamate-induced $[Ca^{2+}]_i$ increase in cultured neuroblastoma cells. <b>2003</b> , 19, 205-15   | 7   |
| 341 | Molecular switches deciding the death of injured neurons. <b>2003</b> , 74, 4-9  | 25  |
| 340 | Effects of FK506 on the translocation of protein kinase C and CaM kinase II in the gerbil hippocampal CA1 neurons. <b>2003</b> , 25, 522-7   | 8   |
| 339 | [The HPA-axis as a possible link between depression, diabetes mellitus and cognitive dysfunction]. <b>2003</b> , 71, 24-36   | 11  |

|     |   |     |     |
|-----|---|-----|-----|
| 338 | Infrared laser hemotherapy in cerebral ischemia modeling. <b>2003,</b>  |     |     |
| 337 | Mefenamate, an agent that fails to attenuate experimental cerebral infarction. <b>2003,</b> 30, 259-62  |     | 4   |
| 336 | Cellular and molecular biology of perinatal hypoxic-ischemic brain damage. <b>2003,</b> 58-82   |     | 1   |
| 335 | Molecular and Cellular Mechanisms of Ischemia-Induced Neuronal Death. <b>2004,</b> 829-854  |     | 15  |
| 334 | Nitric oxide induces apoptosis of the hair cells of cochlea. <b>2004,</b> 6-11  |     | 6   |
| 333 | Cerebral injury during paediatric heart surgery: perfusion issues. <b>2004,</b> 19, 221-8   |     | 16  |
| 332 | Pathophysiology of cerebral ischemia and brain trauma: similarities and differences. <i>Journal of Cerebral Blood Flow and Metabolism,</i> <b>2004,</b> 24, 133-50                            | 7-3 | 473 |
| 331 | Protein ubiquitination in postsynaptic densities after transient cerebral ischemia. <i>Journal of Cerebral Blood Flow and Metabolism,</i> <b>2004,</b> 24, 1219-25                            | 7-3 | 54  |
| 330 | Ischemia-induced increase in long-term potentiation is warded off by specific calpain inhibitor PD150606. <b>2004,</b> 1024, 150-8  |     | 20  |
| 329 | Multimodality monitoring in severe traumatic brain injury: the role of brain tissue oxygenation monitoring. <b>2004,</b> 1, 391-402   |     | 30  |
| 328 | P/Q Ca <sup>2+</sup> channel blockade stops spreading depression and related pyramidal neuronal Ca <sup>2+</sup> rise in hippocampal organ culture. <b>2004,</b> 14, 356-67                   |     | 37  |
| 327 | NMDA and AMPA receptor expression and cortical neuronal death are associated with p38 in glutamate-induced excitotoxicity in vivo. <b>2004,</b> 76, 678-87                                    |     | 37  |
| 326 | Effect of thimerosal, a preservative in vaccines, on intracellular Ca <sup>2+</sup> concentration of rat cerebellar neurons. <b>2004,</b> 195, 77-84  |     | 29  |
| 325 | Peroxynitrite-mediated protein nitration and lipid peroxidation in a mouse model of traumatic brain injury. <b>2004,</b> 21, 9-20   |     | 196 |
| 324 | Neuroprotection in the rat lateral fluid percussion model of traumatic brain injury by SNX-185, an N-type voltage-gated calcium channel blocker. <b>2004,</b> 190, 70-8                       |     | 46  |
| 323 | Na <sup>(+)</sup> and Ca <sup>(2+)</sup> homeostasis pathways, cell death and protection after oxygen-glucose-deprivation in organotypic hippocampal slice cultures. <b>2004,</b> 128, 729-40 |     | 72  |
| 322 | Cell death in the rat hippocampus in a model of prenatal brain injury: time course and expression of death-related proteins. <b>2004,</b> 129, 393-402  |     | 25  |
| 321 | Ischemic preconditioning decreases intracellular zinc accumulation induced by oxygen-glucose deprivation in gerbil hippocampal CA1 neurons. <b>2004,</b> 362, 216-9                           |     | 5   |



|     |  |     |
|-----|--|-----|
| 320 | Calcium overloading in traumatic axonal injury by lateral head rotation: a morphological evidence in rat model. <b>2004</b> , 11, 402-7  | 12  |
| 319 | Protective effect of DY-9760e, a calmodulin antagonist, against neuronal cell death. <b>2004</b> , 27, 1788-91   | 9   |
| 318 | Ionized magnesium in the cerebrospinal fluid of patients with head injuries. <b>2005</b> , 58, 1103-9  | 14  |
| 317 | Correction of biochemical and functional disorders in brain ischaemia with laser therapy. <b>2005</b> , 5863, 99   |     |
| 316 | Electrophysical Methods. <b>2005</b> ,   | 8   |
| 315 | Nitric oxide, cell signaling and cell death. <b>2005</b> , 208, 177-92   | 196 |
| 314 | Spreading depression in vivo potentiates electrically-driven responses in frog optic tectum. <b>2005</b> , 1036, 109-14  | 16  |
| 313 | Extracellular correlates of glutamate toxicity in short-term cerebral ischemia and reperfusion: a direct in vivo comparison between white and gray matter. <b>2005</b> , 1037, 43-51 | 38  |
| 312 | Hypoglycemia: A Complication of Diabetes Therapy in Children. <b>2005</b> , 12, 163-177  | 1   |
| 311 | Cellular mechanisms underlying acquired epilepsy: the calcium hypothesis of the induction and maintenance of epilepsy. <b>2005</b> , 105, 229-66                                     | 203 |
| 310 | Disruption of endoplasmic reticulum calcium stores is involved in neuronal death induced by glycolysis inhibition in cultured hippocampal neurons. <b>2005</b> , 82, 196-205         | 42  |
| 309 | Endoplasmic reticulum dysfunction and Ca <sup>2+</sup> deregulation in isolated CA1 neurons during oxygen and glucose deprivation. <b>2005</b> , 30, 651-9                           | 15  |
| 308 | The phenomenon of "pre-ischaemic conditioning" in the brain only partly involves the NMDA receptor: a magnetic resonance study. <b>2005</b> , 30, 1219-25                            | 3   |
| 307 | Preserving Function in Acute Nervous System Injury. <b>2005</b> , 35-59  | 2   |
| 306 | Hypothermia and amiloride preserve energetics in a neonatal brain slice model. <b>2005</b> , 58, 288-96  | 11  |
| 305 | Use of opioids in asphyxiated term neonates: effects on neuroimaging and clinical outcome. <b>2005</b> , 57, 873-8   | 39  |
| 304 | Neuroprotection by alpha 2-adrenergic agonists in cerebral ischemia. <b>2005</b> , 3, 317-23   | 43  |
| 303 | Hypoglycemia: a complication of diabetes therapy in children. <b>2005</b> , 52, 1705-33  | 26  |

|     |   |     |
|-----|---|-----|
| 302 | Shrimp carotenoids protect the developing rat cerebral cortex against the effects of ethanol on cortical spreading depression. <b>2005</b> , 391, 51-5  | 18  |
| 301 | Caspase-3 can be pseudo-activated by a Ca <sup>2+</sup> -dependent proteolysis at a non-canonical site. <b>2005</b> , 579, 2364-8   | 14  |
| 300 | Effects of emodin on synaptic transmission in rat hippocampal CA1 pyramidal neurons in vitro. <b>2005</b> , 49, 103-11  | 36  |
| 299 | Hypoxia modifies nuclear calcium uptake pathways in the cerebral cortex of the guinea-pig fetus. <b>2005</b> , 130, 949-55  | 13  |
| 298 | Glucose management during and after intensive delivery room resuscitation. <b>2006</b> , 33, 183-96, x  | 19  |
| 297 | Increased hippocampal Ca <sup>2+</sup> channel activity in brain aging and dementia. Hormonal and pharmacologic modulation. <b>1994</b> , 747, 351-64   | 46  |
| 296 | GABAergic protection of hippocampal pyramidal neurons against glutamate insult: deficit in young animals compared to adults. <b>2006</b> , 96, 299-308  | 3   |
| 295 | Hypo- and hyperglycemia and other carbohydrate metabolism disorders. 454-465  | 1   |
| 294 | Clinical treatments for mitochondrial dysfunctions after brain injury. <b>2006</b> , 12, 90-6   | 33  |
| 293 | Retraction: Inhibition of Arachidonic Acid Release by Cytosolic Phospholipase A2 Is Involved in the Antiapoptotic Effect of FK506 and Cyclosporin A on Astrocytes Exposed to Simulated Ischemia In Vitro. <b>2017</b> , 102, 77 | 22  |
| 292 | Why is cognitive dysfunction associated with the development of diabetes early in life? The diathesis hypothesis. <b>2006</b> , 7, 289-97   | 113 |
| 291 | YM872: a selective, potent and highly water-soluble alpha-amino-3-hydroxy-5-methylisoxazole-4-propionic acid receptor antagonist. <b>2002</b> , 8, 337-52   | 34  |
| 290 | A mathematical model of ion movements in grey matter during a stroke. <b>2006</b> , 240, 599-615  | 36  |
| 289 | Non-steroidal anti-inflammatory agents, tolmetin and sulindac, attenuate oxidative stress in rat brain homogenate and reduce quinolinic acid-induced neurodegeneration in rat hippocampal neurons. <b>2006</b> , 21, 221-33     | 35  |
| 288 | Increased hippocampal nitric oxide synthase activity and stress responsiveness after imipramine discontinuation: role of 5HT 2A/C-receptors. <b>2006</b> , 21, 211-20   | 35  |
| 287 | Involvement of TRP-like channels in the acute ischemic response of hippocampal CA1 neurons in brain slices. <b>2006</b> , 1077, 187-99  | 100 |
| 286 | Involvement of calmodulin in neuronal cell death. <b>2006</b> , 1083, 189-95  | 14  |
| 285 | Erratum to "Cellular mechanisms underlying acquired epilepsy: the calcium hypothesis of the induction and maintenance of epilepsy." [Pharmacol. Ther. 105(3) (2005) 229-266]. <b>2006</b> , 111, 288-325                        | 24  |

|     |  |     |
|-----|--|-----|
| 284 | Evaluation of pharmacological treatment strategies in traumatic brain injury. <b>2006</b> , 12, 1645-80  | 138 |
| 283 | Neuropathology in <i>Drosophila</i> membrane excitability mutants. <b>2006</b> , 172, 1031-42  | 31  |
| 282 | Activation of a novel injury-induced calcium-permeable channel that plays a key role in causing extended neuronal depolarization and initiating neuronal death in excitotoxic neuronal injury. <b>2007</b> , 322, 443-52 | 18  |
| 281 | Ischemia-induced neuronal cell death and stress response. <b>2007</b> , 9, 573-87  | 46  |
| 280 | Phosphorylation of calcium calmodulin-dependent protein kinase II following lateral fluid percussion brain injury in rats. <b>2007</b> , 24, 638-50  | 28  |
| 279 | Nitric oxide-containing neurons in long-term grafts in a rat model of Parkinson's disease. <b>2007</b> , 16, 449-59  | 1   |
| 278 | Hypothermia as a treatment for birth asphyxia. <b>2007</b> , 50, 624-35  | 28  |
| 277 | Neuroprotective effect of dauricine in cortical neuron culture exposed to hypoxia and hypoglycemia: involvement of correcting perturbed calcium homeostasis. <b>2007</b> , 85, 621-7                                     | 17  |
| 276 | Role of peroxynitrite in secondary oxidative damage after spinal cord injury. <b>2007</b> , 100, 639-49  | 163 |
| 275 | Glycine and other neurotransmitter amino acids in cerebrospinal fluid in perinatal asphyxia and neonatal hypoxic-ischaemic encephalopathy. <b>2007</b> , 88, 1137-1141   | 23  |
| 274 | Recovery of brain microcirculation during ischemia. <b>2007</b> , 37, 571-6  |     |
| 273 | Elevation of intracellular $Ca^{2+}$ concentration induced by hypoxia in retinal ganglion cells. <b>2007</b> , 51, 175-80  | 3   |
| 272 | Hypoxia modulates gene expression of IP3 receptors in rodent cerebellum. <b>2007</b> , 454, 415-25   | 13  |
| 271 | Change in platelet endothelial cell adhesion molecule-1 immunoreactivity in the dentate gyrus in gerbils fed a folate-deficient diet. <b>2008</b> , 2, 331-6   | 1   |
| 270 | Calcium antagonist prevents calcium flux induced necrosis and apoptosis in ischemic reperfusion of rat liver. <b>2008</b> , 23, 356-60   | 2   |
| 269 | The role of trace elements in the pathogenesis and progress of pilocarpine-induced epileptic seizures. <b>2008</b> , 13, 1267-74   | 27  |
| 268 | Bidirectional modulation of GABA-gated chloride channels by divalent cations: inhibition by $Ca^{2+}$ and enhancement by $Mg^{2+}$ . <b>1994</b> , 62, 916-22  | 28  |
| 267 | NMDA and non-NMDA receptor gene expression following global brain ischemia in rats: effect of NMDA and non-NMDA receptor antagonists. <b>1994</b> , 62, 1067-73  | 76  |

|     |  |     |
|-----|--|-----|
| 266 | The ability of diphenylpiperazines to prevent neuronal death in dorsal root ganglion neurons in vitro after nerve growth factor deprivation and in vivo after axotomy. <b>1994</b> , 62, 2148-57 | 20  |
| 265 | Dose-dependent effects of astaxanthin on cortical spreading depression in chronically ethanol-treated adult rats. <b>2008</b> , 32, 1417-21  | 32  |
| 264 | Cognitive dysfunction and diabetes mellitus. <b>2008</b> , 29, 494-511   | 550 |
| 263 | Age- and region-dependent patterns of Ca <sup>2+</sup> accumulations following status epilepticus. <b>2008</b> , 26, 779-90  | 11  |
| 262 | Effective delivery of Pep-1-cargo protein into ischemic neurons and long-term neuroprotection of Pep-1-SOD1 against ischemic injury in the gerbil hippocampus. <b>2008</b> , 52, 659-68          | 18  |
| 261 | Neuroprotection for ischemic stroke: past, present and future. <b>2008</b> , 55, 363-89  | 580 |
| 260 | Degradation of PEP-19, a calmodulin-binding protein, by calpain is implicated in neuronal cell death induced by intracellular Ca <sup>2+</sup> overload. <b>2008</b> , 154, 473-81               | 26  |
| 259 | When and why do brain cells die?. <b>1992</b> , 34, 1010-4   | 62  |
| 258 | Protective role of the calcium channel blocker amlodipine against mitochondrial injury in ischemia and reperfusion injury of rat liver. <b>2008</b> , 58, 421-8                                  | 16  |
| 257 | Stimulus-transcription coupling in focal cerebral ischemia. <b>1994</b> , 4, 77-83   | 66  |
| 256 | Uridine protects cortical neurons from glucose deprivation-induced death: possible role of uridine phosphorylase. <b>2008</b> , 25, 695-707  | 23  |
| 255 | Use of induced hypothermia for neuroprotection: indications and application. <b>2008</b> , 3, 325-361  | 4   |
| 254 | Experimental reovirus-induced acute flaccid paralysis and spinal motor neuron cell death. <b>2008</b> , 67, 231-9  | 11  |
| 253 | Calcium-mediated mechanisms of ischemic injury and protection. <b>1994</b> , 4, 37-47  | 77  |
| 252 | Glutamate-mediated injury in focal cerebral ischemia: the excitotoxin hypothesis revised. <b>1994</b> , 4, 23-36   | 154 |
| 251 | The heat shock/stress response in focal cerebral ischemia. <b>1994</b> , 4, 67-76  | 98  |
| 250 | MICROSCOPIC POLYANGIITIS AND POLYARTERITIS NODOSA. 311-330   |     |
| 249 | Neonatal encephalopathy: treatment with hypothermia. <b>2009</b> , 26, 437-43  | 75  |

|     |   |    |
|-----|---|----|
| 248 | Time- and temperature-dependent forebrain ischemic damage in Mongolian gerbils. <b>1992</b> , 85, 187-90  | 1  |
| 247 | Does neuronal damage of CA1 relate to spatial memory performance of rats subjected to transient forebrain ischemia?. <b>1994</b> , 89, 204-9                                | 23 |
| 246 | Unchanged balance between levels of mRNA encoding AMPA glutamate receptor subtypes following global cerebral ischemia in the rat. <b>1995</b> , 92, 337-43                  | 30 |
| 245 | Neutrophil elastase inhibitor attenuates hippocampal neuronal damage after transient forebrain ischemia in rats. <b>2009</b> , 1259, 98-106                                 | 17 |
| 244 | Detection of necrotic neural response in super-acute cerebral ischemia using activity-induced manganese-enhanced (AIM) MRI. <b>2010</b> , 23, 304-12                        | 4  |
| 243 | Treatment. <b>2009</b> , 146-217  |    |
| 242 | A novel calpastatin-based inhibitor improves postischemic neurological recovery. <b>2009</b> , 385, 94-9  | 15 |
| 241 | Excitotoxic neonatal damage induced by monosodium glutamate reduces several GABAergic markers in the cerebral cortex and hippocampus in adulthood. <b>2009</b> , 27, 845-55 | 15 |
| 240 | Use of therapeutic hypothermia for term infants with hypoxic-ischemic encephalopathy. <b>2009</b> , 56, 601-16, Table of Contents   | 22 |
| 239 | Contributions of Ca <sup>2+</sup> and Zn <sup>2+</sup> to spreading depression-like events and neuronal injury. <b>2009</b> , 109 Suppl 1, 145-52                           | 31 |
| 238 | Glycemia management in neurocritical care patients: a review. <b>2009</b> , 21, 2-9   | 35 |
| 237 | Diazepam does not reduce infarct size in rats subjected to transient occlusion of the middle cerebral artery when normothermia is maintained. <b>2002</b> , 54, 1565-9      | 12 |
| 236 | Neonatal Encephalopathy: Treatment With Hypothermia. <b>2010</b> , 11, e85-e92  | 8  |
| 235 | Hypothermia for hypoxic-ischemic encephalopathy. <b>2010</b> , 5, 227-239   | 46 |
| 234 | Neuroprotective effects of selective N-type VGCC blockade on stretch-injury-induced calcium dynamics in cortical neurons. <b>2010</b> , 27, 175-87                          | 27 |
| 233 | Hyperbaric Oxygen Therapy for Acute Ischemic Stroke. <b>2010</b> , 41,  | 2  |
| 232 | Neuroprotective activity of <i>Matricaria recutita</i> against fluoride-induced stress in rats. <b>2011</b> , 49, 696-701   | 32 |
| 231 | Current management of the infant who presents with neonatal encephalopathy. <b>2011</b> , 41, 132-53  | 42 |

|     |   |       |
|-----|---|-------|
| 230 | Post-ischemic administration of nimodipine following focal cerebral ischemic-reperfusion injury in rats alleviated excitotoxicity, neurobehavioural alterations and partially the bioenergetics. <b>2011</b> , 29, 93-105 | 43    |
| 229 | Propofol mitigates systemic oxidative injury during experimental cardiopulmonary cerebral resuscitation. <b>2011</b> , 84, 123-30   | 13    |
| 228 | Effects of the calcium antagonist AE0047 on the development of neurological deficit and infarction after middle cerebral artery occlusion in stroke-prone spontaneously hypertensive rats. <b>1997</b> , 49, 919-24       | 3     |
| 227 | Delayed treatment with YM90K, an AMPA receptor antagonist, protects against ischaemic damage after middle cerebral artery occlusion in rats. <b>1998</b> , 50, 891-8  | 7     |
| 226 | Hypoxic-Ischemic Encephalopathy. <b>2011</b> , 871-892  |       |
| 225 | Use of calcium channel blockers for glaucoma. <b>2011</b> , 30, 54-71   | 47    |
| 224 | Time- and temperature-dependent autolysis of urinary bladder epithelium during ex vivo preservation. <b>2011</b> , 248, 541-50  | 1     |
| 223 | History of International Society for Cerebral Blood Flow and Metabolism. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2012</b> , 32, 1099-106  | 7-3 1 |
| 222 | Therapeutic hypothermia as a neuroprotective strategy in neonatal hypoxic-ischemic brain injury and traumatic brain injury. <b>2012</b> , 12, 1282-96   | 36    |
| 221 | CREG: a possible candidate for both prevention and treatment of proliferative vascular disease. <b>2012</b> , 12, 1273-81   | 4     |
| 220 | Calcium antagonists for acute ischemic stroke. <b>2012</b> , CD001928   | 22    |
| 219 | Severe but reversible neonatal neurological dysfunction associated with in utero exposure to Sibelium (flunarizine dihydrochloride). <b>2012</b> , 5, 389-392   | 1     |
| 218 | Neurological Sequelae of Hypoglycaemia. <b>2013</b> , 305-322   |       |
| 217 | Proteases: Structure and Function. <b>2013</b> ,  | 25    |
| 216 | The smallest stroke: occlusion of one penetrating vessel leads to infarction and a cognitive deficit. <b>2013</b> , 16, 55-63   | 221   |
| 215 | AMPA receptor properties are modulated in the early stages following pilocarpine-induced status epilepticus. <b>2013</b> , 15, 324-38   | 29    |
| 214 | Neuroprotective effects of SNX-185 in an in vitro model of TBI with a second insult. <b>2013</b> , 31, 141-53   | 9     |
| 213 | Inductive and Deductive Approaches to Acute Cell Injury. <b>2014</b> , 2014, 859341   | 1     |

|     |  |    |     |
|-----|--|----|-----|
| 212 | Spreading depression features and Iba1 immunoreactivity in the cerebral cortex of developing rats submitted to treadmill exercise after treatment with monosodium glutamate. <b>2014</b> , 33, 98-105                    |    | 15  |
| 211 | Increased calcium influx triggers and accelerates cortical spreading depression in vivo in male adult rats. <b>2014</b> , 558, 87-90   |    | 20  |
| 210 | Neurologic damage in hypoglycemia. <b>2014</b> , 126, 513-32   |    | 18  |
| 209 | Calcium channels and their blockers in intraocular pressure and glaucoma. <b>2014</b> , 739, 96-105  |    | 25  |
| 208 | Therapeutic hypothermia applicable to cardiac surgery. <b>2015</b> , 42, 559-69  |    | 8   |
| 207 | Treatment. 145-216   |    | 1   |
| 206 | Protective effects of TES trioleate, an inhibitor of phospholipase A2, on reactive oxygen species and UVA-induced cell damage. <b>2016</b> , 164, 30-35  |    | 3   |
| 205 | Excitotoxicity and Metabolic Crisis Are Associated with Spreading Depolarizations in Severe Traumatic Brain Injury Patients. <b>2016</b> , 33, 1775-1783   |    | 48  |
| 204 | Exposure to electromagnetic field attenuates oxygen-glucose deprivation-induced microglial cell death by reducing intracellular Ca(2+) and ROS. <b>2016</b> , 92, 195-201  |    | 19  |
| 203 | The continuum of spreading depolarizations in acute cortical lesion development: Examining LeB's legacy. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2017</b> , 37, 1571-1594                              | 73 | 205 |
| 202 | Glaucoma. <b>2017</b> , 533-552  |    |     |
| 201 | The role of Ca-calmodulin stimulated protein kinase II in ischaemic stroke - A potential target for neuroprotective therapies. <b>2017</b> , 107, 33-42  |    | 8   |
| 200 | The glutamate receptor antagonists CNQX and MPEP decrease fast ripple events in rats treated with kainic acid. <b>2017</b> , 655, 137-142  |    | 7   |
| 199 | Electromagnetic field (10 Hz, 1 mT) protects mesenchymal stem cells from oxygen-glucose deprivation-induced cell death by reducing intracellular Ca <sup>2+</sup> and reactive oxygen species. <b>2017</b> , 15, 112-118 |    | 1   |
| 198 | Sip1 mutation suppresses the resistance of cerebral cortex neurons to hypoxia through the disturbance of mechanisms of hypoxic preconditioning. <b>2017</b> , 11, 330-337  |    | 3   |
| 197 | Coexisting Diabetes Mellitus in Neurosurgical Patients. <b>2017</b> , 713-731  |    |     |
| 196 | Zonisamide-loaded triblock copolymer nanomicelles as a novel drug delivery system for the treatment of acute spinal cord injury. <b>2017</b> , 12, 2443-2456   |    | 22  |
| 195 | Regional-specific effects of cerebral ischemia/reperfusion and dehydroepiandrosterone on synaptic NMDAR/PSD-95 complex in male Wistar rats. <b>2018</b> , 1688, 73-80  |    | 5   |

|     |  |        |
|-----|--|--------|
| 194 | Cell Death Mechanisms in Stroke and Novel Molecular and Cellular Treatment Options. <b>2018</b> , 16, 1396-1415  | 113    |
| 193 | Changes in synaptic AMPA receptor concentration and composition in chronic temporal lobe epilepsy. <b>2018</b> , 92, 93-103  | 19     |
| 192 | Neonatal Monosodium Glutamate Administration Disrupts Place Learning and Alters Hippocampal-Prefrontal Learning-Related Theta Activity in the Adult Rat. <b>2019</b> , 414, 228-244            | 2      |
| 191 | Mitochondria damaged by Oxygen Glucose Deprivation can be Restored through Activation of the PI3K/Akt Pathway and Inhibition of Calcium Influx by Amlodipine Camsylate. <b>2019</b> , 9, 15717 | 6      |
| 190 | Do Calcium Antagonists Decrease Mortality or Dependency in Acute Ischemic Stroke?. <b>2019</b> , 74, 575-577   | 1      |
| 189 | From niche methods to necessary tools: The growing importance of analytical atomic spectrometry in metal imaging in neuroscience. <b>2019</b> , 156, 20-32                                     | 7      |
| 188 | Lasting effects of general anesthetics on the brain in the young and elderly: "mixed picture" of neurotoxicity, neuroprotection and cognitive impairment. <b>2019</b> , 33, 321-335            | 47     |
| 187 | Calcium antagonists for acute ischemic stroke. <b>2019</b> , 2, CD001928   | 10     |
| 186 | Spontaneous astrocytic Ca activity abounds in electrically suppressed ischemic penumbra of aged mice. <b>2019</b> , 67, 37-52  | 9      |
| 185 | A Review of Elemental Mapping Methods to Directly Image Changes in the Homeostasis of Diffusible Ions (Na, K, Mg, Ca, Cl) Within Brain Tissue. <b>2019</b> , 13, 1415                          | 7      |
| 184 | Microglia alter the threshold of spreading depolarization and related potassium uptake in the mouse brain. <i>Journal of Cerebral Blood Flow and Metabolism</i> , <b>2020</b> , 40, S67-S80    | 7-3 12 |
| 183 | Neuroprotective Effects of Endogenous Secretory Receptor for Advanced Glycation End-products in Brain Ischemia. <b>2020</b> , 11, 547-558  | 9      |
| 182 | Timing the Ischemic Stroke by Multiparametric Quantitative Magnetic Resonance Imaging. 79-96   | 1      |
| 181 | N,N-Dimethyltryptamine attenuates spreading depolarization and restrains neurodegeneration by sigma-1 receptor activation in the ischemic rat brain. <b>2021</b> , 192, 108612                 | 8      |
| 180 | Effect of Amlodipine in Stroke and Myocardial infarction: A Systematic Review and Meta-analysis. <b>2021</b> , 10, 429-444   | 1      |
| 179 | Microglial Activation, Cytokine Production, and Local Inflammation in Focal Brain Ischemia. <b>2003</b> , 115-145  | 1      |
| 178 | Calcium and Cell Death. <b>1999</b> , 69-90  | 4      |
| 177 | Neuropsychiatric implications of brain tryptophan perturbations appearing in hepatic encephalopathy. <b>1996</b> , 398, 387-95   | 13     |



|     |   |    |
|-----|---|----|
| 176 | The role of taurine in cerebral ischemia: studies in transient forebrain ischemia and embolic focal ischemia in rodents. <b>2003</b> , 526, 421-31                            | 23 |
| 175 | A role for glutamate transporters in neurodegenerative diseases. <b>2002</b> , 513, 225-48  | 8  |
| 174 | Neuroprotective strategies in epilepsy. <b>2002</b> , 497, 209-24   | 1  |
| 173 | Mitochondria in Acute Brain Injury. <b>2001</b> , 145-161   | 2  |
| 172 | The importance of glutamate receptors in brain ischemia. <b>1995</b> , 363, 123-31  | 4  |
| 171 | An overview of developments in research on recovery from brain injury. <b>1992</b> , 325, 1-22  | 8  |
| 170 | Metabotropic glutamate receptors and neuronal toxicity. <b>1992</b> , 318, 137-45   | 12 |
| 169 | NMDA receptor-mediated arachidonic acid release in neurons: role in signal transduction and pathological aspects. <b>1992</b> , 318, 73-89                                    | 41 |
| 168 | Regional cerebral blood flow autoregulation in a silicone embolus model of focal brain ischemia as assessed by multichannel laser Doppler flowmetry. <b>1998</b> , 454, 253-9 | 2  |
| 167 | Neuroprotective Approaches in Vivo Against Ca <sup>2+</sup> -Induced Neurodegeneration in Rat Nucleus Basalis. <b>1997</b> , 401-406  | 2  |
| 166 | On the Mechanism of Calpain Activation Under Ischemia. <b>1997</b> , 407-414  | 1  |
| 165 | Nitric Oxide as a Mediator of Cerebral Blood-Flow, Synaptic Plasticity, and Superoxide-Mediated Brain Injury. <b>1993</b> , 174-195   | 4  |
| 164 | Reactive Oxidant Species in Rat Brain Extracellular Fluid. <b>1993</b> , 105-131  | 3  |
| 163 | Gangliosides: New Generation of Neuroprotective Agents. <b>1992</b> , 187-223   | 5  |
| 162 | Excitotoxicity, Cerebral Ischemia, and Neuroprotection by Competitive NMDA Receptor Antagonists. <b>1992</b> , 93-105   | 1  |
| 161 | Self-Defense of the Brain: Adenosinergic Strategies in Neurodegeneration. <b>1992</b> , 151-186   | 1  |
| 160 | PAF-synthesizing enzymes in neural cells during differentiation and in gerbil brain during ischemia. <b>1996</b> , 416, 21-7  | 4  |
| 159 | Iron and Oxidative Stress in Neonatal Hypoxic-Ischemic Brain Injury Directions for Therapeutic Intervention. <b>1997</b> , 205-236  | 6  |

|     |   |    |
|-----|---|----|
| 158 | Calcium Regulation of Ion Channels. <b>1998</b> , 79-97   | 1  |
| 157 | Intracellular ion concentrations in the brain: approaches towards in situ confocal imaging. <b>1993</b> , 333, 145-75                                   | 7  |
| 156 | Calcium and Neuronal Death in Spinal Neurons. <b>2000</b> , 23-55   | 2  |
| 155 | Inflammatory Markers in Stroke. <b>1998</b> , 91-107  | 3  |
| 154 | Mechanisms of Cerebral Ischemic Damage. <b>1999</b> , 3-32  | 7  |
| 153 | Mechanisms of 3-Nitropropionic Acid Neurotoxicity. <b>2000</b> , 107-120  | 6  |
| 152 | Pharmacological properties of the natural polyamines and their depletion by biosynthesis inhibitors as a therapeutic approach. <b>1991</b> , 37, 107-59 | 64 |
| 151 | History of Neuroprotection: Trials and Tribulations. <b>2017</b> , 133-154  | 1  |
| 150 | Neonatal Encephalopathy. <b>2018</b> , 155-178  | 2  |
| 149 | Distribution of Neurochemical Deficits in Alzheimer's Disease. <b>1990</b> , 41-51  | 2  |
| 148 | The Ischemic Penumbra: Fact or Fiction?. <b>1991</b> , 60-66  | 5  |
| 147 | Importance of Postischemic Neurotransmission in Delayed Neuronal Death. <b>1992</b> , 107-119   | 1  |
| 146 | Role of Endogenous Opioids and Opioid Receptors in Central Nervous System Injury. <b>1993</b> , 325-341   | 10 |
| 145 | GABAergic Mechanisms Involved in Cortical Spreading Depression in Normal and Early Malnourished Rats. <b>1992</b> , 17-26                               | 22 |
| 144 | In Vitro Ischemia in the Hippocampal Slice. <b>1994</b> , 217-229   | 1  |
| 143 | Astrocytic H <sup>+</sup> and Ca <sup>2+</sup> Changes: Implications for Ischemic Brain Injury. <b>1994</b> , 64-76                                     | 1  |
| 142 | Cerebral Metabolism in Hypoxia and Ischemia – Therapeutic Implications. <b>1989</b> , 399-427   | 1  |
| 141 | Neurotrophins and their Receptors. <b>1992</b> , 180-200  | 1  |

|     |   |     |    |
|-----|---|-----|----|
| 140 | NMDA Receptor Antagonists and Their Potential as Neuroprotective Agents. <b>1999</b> , 495-527  |     | 12 |
| 139 | Brain protection. <b>1994</b> , 21, 77-152  |     | 5  |
| 138 | Increased levels of glutamate in patients with subarachnoid haemorrhage as measured by intracerebral microdialysis. <i>Acta Neurochirurgica Supplementum</i> , <b>1996</b> , 67, 45-7 | 1.7 | 34 |
| 137 | Swelling, intracellular acidosis, and damage of glial cells. <i>Acta Neurochirurgica Supplementum</i> , <b>1996</b> , 66, 56-62   | 1.7 | 7  |
| 136 | Brain Resuscitation: Yesterday, Today and Tomorrow. <b>1991</b> , 3-19  |     | 1  |
| 135 | Effect of Aging on Brain Voltage-Dependent Calcium Channels. <i>Medical Science Symposia Series</i> , <b>1993</b> , 231-240   |     | 1  |
| 134 | Two-Photon Imaging of Cerebral Vasodynamics in Awake Mice During Health and Disease. <b>2014</b> , 25-43  |     | 2  |
| 133 | Biochemical changes and secondary injury from stroke and trauma. <b>1992</b> , 32-53  |     | 7  |
| 132 | The Excitotoxic Concept. <b>1997</b> , 187-190  |     | 5  |
| 131 | Stanniocalcin: A molecular guard of neurons during cerebral ischemia. <b>2000</b> , 97, 3637-42   |     | 73 |
| 130 | The Cortical Neuron. <b>1995</b> ,  |     | 11 |
| 129 | Thirty Years Among Cortical Neurons. <b>1995</b> , 3-24   |     | 2  |
| 128 | Cortical Synaptic Transmission: An Overview. <b>1995</b> , 27-32  |     | 1  |
| 127 | The Cortical Neuron as an Electrophysiological Unit. <b>1995</b> , 33-51  |     | 12 |
| 126 | Structure and Function of Ligand-Gated Channels. <b>1995</b> , 67-79  |     | 1  |
| 125 | Synaptic Plasticity in Hippocampus and Neocortex: A Comparison. <b>1995</b> , 98-108  |     | 4  |
| 124 | Overview: Basic Elements of the Cortical Network. <b>1995</b> , 111-122   |     | 11 |
| 123 | Functions of Local Circuits in Neocortex: Synchrony and Laminae. <b>1995</b> , 123-140  |     | 19 |

|     |   |     |
|-----|---|-----|
| 122 | Inhibition in the Cortical Network. <b>1995</b> , 141-155   | 5   |
| 121 | Thalamocortical Interactions. <b>1995</b> , 156-173   | 1   |
| 120 | Neurotransmitter Signaling Before the Birth of Neurons. <b>1995</b> , 197-209   | 4   |
| 119 | Gene Control of Cortical Excitability. <b>1995</b> , 210-229  | 1   |
| 118 | Development of Cortical Excitation and Inhibition. <b>1995</b> , 230-246  | 4   |
| 117 | Measurement of Cortical Neurotransmitter Receptors with Radioligand Binding: Insights into the Mechanisms of Kindling-Induced Epilepsy. <b>1995</b> , 264-275                               | 3   |
| 116 | Pathophysiology of Cortical Synapses and Circuits. <b>1995</b> , 276-292  | 1   |
| 115 | Enhanced recovery of brain electrical activity by adenosine 3',5'-cyclic monophosphate following complete global cerebral ischemia in dogs. <b>1996</b> , 24, 103-8                         | 5   |
| 114 | Extracellular acidosis delays cell death against glucose-oxygen deprivation in neuroblastoma x glioma hybrid cells. <b>1997</b> , 25, 841-7   | 20  |
| 113 | Efficacy and mechanisms of action of the cytoprotective lipid peroxidation inhibitor tirilazad mesylate in subarachnoid haemorrhage. <b>1996</b> , 13, 279-289                              | 22  |
| 112 | Effect of Oral Kohki Tea on Bladder Dysfunction Induced by Severe Partial Outlet Obstruction. <b>2002</b> , 2260-2266   | 2   |
| 111 | Ischemic delayed neuronal death. A mitochondrial hypothesis. <b>1995</b> , 26, 1478-89  | 235 |
| 110 | SB 201823-A antagonizes calcium currents in central neurons and reduces the effects of focal ischemia in rats and mice. <b>1995</b> , 26, 1683-9; discussion 1689-90                        | 30  |
| 109 | Trauma-induced neurotoxicity in rat hippocampal neurons. <b>1996</b> , 27, 122-6  | 15  |
| 108 | Effects of cerebral ischemia on N-methyl-D-aspartate and dihydropyridine-sensitive calcium currents. An electrophysiological study in the rat hippocampus in situ. <b>1996</b> , 27, 127-33 | 22  |
| 107 | Neuroexcitatory amino acids and their relation to infarct size and neurological deficit in ischemic stroke. <b>1996</b> , 27, 1060-5  | 172 |
| 106 | Subtle neuronal death in striatum after short forebrain ischemia in rats detected by in situ end-labeling for DNA damage. <b>1997</b> , 28, 163-9; discussion 169-70                        | 43  |
| 105 | The calmodulin antagonist trifluoperazine in transient focal brain ischemia in rats. Anti-ischemic effect and therapeutic window. <b>1997</b> , 28, 2539-44                                 | 37  |

|     |  |     |     |
|-----|--|-----|-----|
| 104 | Spreading of vasogenic edema and cytotoxic edema assessed by quantitative diffusion and T2 magnetic resonance imaging. <b>1997</b> , 28, 419-26; discussion 426-7                                      |     | 160 |
| 103 | Effects of hypoxia and reoxygenation on nitric oxide production and cerebral blood flow in developing rat striatum. <b>1998</b> , 43, 733-7  |     | 27  |
| 102 | Low dose flunarizine protects the fetal brain from ischemic injury in sheep. <b>1998</b> , 44, 277-82  |     | 19  |
| 101 | An assessment of the cerebral protective effects of etomidate in a model of incomplete forebrain ischemia in the rat. <i>Neurosurgery</i> , <b>1992</b> , 30, 540-4                                    | 3.2 | 35  |
| 100 | The effect of mild hypothermia on permanent focal ischemia in the rat. <i>Neurosurgery</i> , <b>1992</b> , 31, 1056-60; discussion 1060-1  | 3.2 | 107 |
| 99  | A review of brain retraction and recommendations for minimizing intraoperative brain injury. <i>Neurosurgery</i> , <b>1993</b> , 33, 1052-63; discussion 1063-4  | 3.2 | 154 |
| 98  | Normal and Abnormal Calcium Homeostasis in Neurons: A Basis for the Pathophysiology of Traumatic and Ischemic Central Nervous System Injury. <i>Neurosurgery</i> , <b>1996</b> , 38, 1176-1195         | 3.2 | 134 |
| 97  | Cognitive dysfunctions in individuals with diabetes mellitus. <b>2019</b> , 36, 183-191  |     | 24  |
| 96  | The effect of mild hypobaric hypoxia regime on expression of factor induced by hypoxia in the rat neocortex. <b>2014</b> , 59, 111-115   |     | 4   |
| 95  | The 85-kD cytosolic phospholipase A2 knockout mouse: a new tool for physiology and cell biology. <b>1999</b> , 10, 404-12  |     | 57  |
| 94  | Therapeutic hypothermia: treatment for hypoxic-ischemic encephalopathy in the NICU. <b>2011</b> , 30, 370-80   |     | 2   |
| 93  | Antagonists of the Vasopressin V1 Receptor and of the $\alpha(1)$ -Adrenoceptor Inhibit Cytotoxic Brain Edema in Stroke by Effects on Astrocytes - but the Mechanisms Differ. <b>2014</b> , 12, 308-23 |     | 22  |
| 92  | Responses to Cortical Spreading Depression under Oxygen Deficiency. <b>2012</b> , 6, 6-17  |     | 10  |
| 91  | Neuroprotective effects by nimodipine treatment in the experimental global ischemic rat model : real time estimation of glutamate. <b>2011</b> , 49, 1-7   |     | 11  |
| 90  | Growth Factors and Cerebral Ischemia. <b>2001</b> , 25-33  |     | 3   |
| 89  | The Role of the Immunophilin FKBP12 in Cerebral Ischemia. <b>2001</b> , 61-69  |     |     |
| 88  | Ischaemia. <b>2002</b> , 337-403   |     |     |
| 87  | The Glutamate-Calcium Cascade. <b>2003</b> , 39-93   |     |     |

- 86 Metabolic Acidosis and Ischemic Damage. **2003**, 95-99 1
- 85 Energy Failure Induced by Brain Ischemia. **2003**, 31-37 0
- 84 Cerebral Resuscitation from Temporary Complete Global Brain Ischemia. **2003**, 106-136
- 83 Dopa. **2005**, 321-338
- 82 Hypoxic-Ischemic Encephalopathy: Pathobiology and Therapy of the Postresuscitation Syndrome in Children. **2006**, 904-928
- 81 Cerebral Function and Heart Disease. **2006**, 143-171
- 80 Diabetes and the Consequences for the Blood-Brain Barrier. 649-669
- 79 Brain Cooling for Neonatal Encephalopathy: Potential Indications for Use. **2008**, 66-78
- 78 ?????????????????????? HMGB1 ??????????????. **2008**, 120, 271-277
- 77 Experimental Ischemia: Summary of Metabolic Encephalopathy. **2009**, 41-67
- 76 Vaskuläre Erkrankungen. **2011**, 1055-1195
- 75 Calpains in Health and Disease. **2013**, 395-431
- 74 Mechanisms of Ischemic Damage to Neurons, Glial Cells and Vascular Tissue. **1989**, 209-227
- 73 Pathophysiological Mechanisms and Therapeutic Aspects in Stroke and Ischemic Brain Injury. *Update in Intensive Care and Emergency Medicine*, **1990**, 657-665
- 72 Cardiac Arrest, Stroke, Subarachnoid Hemorrhage, and Severe Head Injury: What Do they Have in Common?. **1991**, 45-56
- 71 Are Glutamate/Aspartate Antagonists Protective in Cerebral Ischemia?. **1991**, 45-57
- 70 Selective Vulnerability of the CA1 Sector in the Gerbil After 5 Minutes of Global Ischemia: Relationship to Disturbances in Protein Synthesis and to Motor Hyperactivity. **1991**, 123-131
- 69 Positron Emission Tomography in Cerebrovascular Disease: Implications for Therapy?. **1991**, 407-415

- 68 Alzheimer's Disease: Role of Energy Metabolism and Treatment of Symptoms. **1991**, 87-93
- 67 Metabolic Depression as a Possible Mechanism of Neuronal Protection by Adenosine. **1992**, 201-206
- 66 Glutamate Neurotoxicity and Effect of Antagonists In Vitro Study using Hippocampal Neurons Exposed to Hypoxia. **1992**, 77-82
- 65 Possible Role of Intracellular Calcium Translocation in the Maturation of Ischemic Damage. **1992**, 41-47
- 64 NEW DEVELOPMENTS IN THE TREATMENT OF SUBARACHNOID HEMORRHAGE. *Anesthesiology Clinics*, **1992**, 10, 521-536
- 63 Control of cell function by neuronal calcium-activated nonselective (CAN) cation channels. *Exs*, **1993**, 66, 175-83 3
- 62 A Neural Primary Genomic Response to the Lipid Mediator Platelet-Activating Factor. **1993**, 411-426 1
- 61 Treatment of Acute Ischemic Stroke with Calcium Antagonists. *Medical Science Symposia Series*, **1993**, 257-263
- 60 Cerebral Protective Effects of Anesthetics. *Developments in Critical Care Medicine and Anesthesiology*, **1993**, 311-321
- 59 Extracellular Changes of Aspartate, Glutamate, and Taurine in Relation to DC Changes during Complete Cerebral Ischemia and Cortical Spreading Depression. **1993**, 145-150
- 58 Biochemical Mechanisms of Hypoxic Ischemic Brain Damage. **1993**, 3-10
- 57 Role of Metabotropic Glutamate Receptors in Neuronal Degeneration. **1994**, 231-242
- 56 Clinical Pharmacology of Calcium Channels. *E&M Endocrinology and Metabolism*, **1994**, 190-225
- 55 Gehirnprotektion: Theorie, Experiment, Klinik. *Klinische Anesthesiologie Und Intensivtherapie*, **1994**, 27-39
- 54 Disturbances of Cerebral Protein Synthesis in Global and Focal Ischemia. **1994**, 237-249
- 53 Metabolic Disorders as Consequences of Drug-Induced Energy Deficits. **1994**, 111-139 1
- 52 Neuroprotective Effects of 5-HT<sub>1A</sub> Receptor Agonists. **1994**, 204-216
- 51 Calcium Channel Blockers Prevent Delayed Cerebral Ischemia After Intracranial Aneurysmal Subarachnoid Hemorrhage. **1994**, 113-124 1

- 50 What Are We Learning from Clinical Trials in Acute Cerebral Ischemia?. **1994**, 130-136
- 49 Neuronal pathology in relation to molecular biology and treatment of Alzheimer's disease. *Molecular and Cell Biology of Human Diseases Series*, **1994**, 4, 25-54
- 48 The Role of Calcium in Delayed Postischemic Brain Damage\*\*This study was supported by the Swedish Medical Research Council (Grant no B9314X-00263-29C), the National Institute of Health, U.S. Public Health Service (Grant no 5R01 NS 07838-23, and the Medical Faculty of Lund University.. **1995**, 353-370 3
- 47 Neuropathophysiology: The Basics. **1995**, 41-49
- 46 Cerebral Ischemia and Neuroprotection. *Juntendo Igaku*, **1995**, 41, 207-212 1
- 45 Ionic Metabolism in Cerebral Ischemia. *Medical Science Symposia Series*, **1995**, 199-208
- 44 EF-Hand Ca<sup>2+</sup>-Binding Proteins in Neurodegenerative Disorders and their Use as Diagnostic Tools. *Neuroscience Intelligence Unit*, **1995**, 105-130
- 43 Transgenic mice studies of immediate-early genes: from markers to mutants. **1995**, 116-131
- 42 Biomolecular Approaches to Neurotoxic Hazard Assessment. **1995**, 399-421
- 41 New Perspectives in the Pharmacology of Parenchymal Brain Anoxia-Ischemia. **1995**, 255-264
- 40 Delayed Neuronal Death and Ischemic Tolerance. **1995**, 19-28
- 39 Glutamate Receptors and Neuronal Death: A Beginning. **1995**, 261-263
- 38 Signal Transduction and Protein Phosphorylation. **1995**, 52-66
- 37 Determination of Cellular Phenotype and the Fundamental Organization of Cortical Layering: An Overview. **1995**, 193-196
- 36 Cortical Epileptogenesis in the Developing Human Brain. **1995**, 247-258
- 35 Synaptic Actions of Amino Acid Neurotransmitters. **1995**, 80-97 1
- 34 Clinical Strategies for Neuronal Protection. **1995**, 306-314
- 33 Models of Cortical Networks. **1995**, 174-190



32 Pathophysiology of Cortical Areas from Human Epileptics. **1995**, 293-305

31 Changes in Intracellular Ca<sup>2+</sup> and pH of Hippocampal Slices in Response to Ischemia In Vitro. **1996**, 115-127

30 Intracellular Calcium Stores and Ischemic Neuronal Death. **1996**, 371-376

29 Hypoxia and Acute Brain Insult. *Update in Intensive Care and Emergency Medicine*, **1996**, 187-192

28 Is calcium accumulation post-injury an indicator of cell damage?. *Acta Neurochirurgica Supplementum*, **1996**, 66, 15-20 1.7 4

27 Mild Hypothermia: Therapeutic Window after Experimental Cerebral Ischemia. *Neurosurgery*, **1996**, 38, 542-551 3.2 61

26 Loss of Neuronal Calcium Homeostasis in Ischemia. **1997**, 178-183 1

25 Calcium Homeostasis, Nimodipine, and Stroke. **1997**, 67-99 1

24 The Role of Inositol Phospholipid Metabolites. **1997**, 196-198

23 Impending Cerebral Infarction and Inflammatory Response: A Possible Target for Therapeutic Intervention. **1997**, 123-127

22 Dynamic study of autoantibodies to glutamate receptors of NMDA-type in blood of patients with acute ischemic and hemorrhagic insult. *Neurology Bulletin*, **1997**, XXIX, 18-20 0.2

21 Usage of neurospecific peptide substance  $\xi_{max}$  in acute period of ischemic insult. *Neurology Bulletin*, **1997**, XXIX, 32-38 0.2



20 Animal Models of Cerebral Ischemia. **1998**, 211-230

19 Regulation of Glutamate Receptor Gene Expression in Global Ischemia. **1998**, 19-41

18 The Protective Effect of DY9760e, a Novel Calmodulin Antagonist, on Rat Permanent Middle Cerebral Artery Occlusion. **1999**, 311-311

17 Zerebrale Ischämie. **1999**, 510-541

16 Calcium Overload. **1999**, 69-104 0

15    *Biologisches Membran*, **2017**, 58-67 0.1

|    |   |     |   |
|----|---|-----|---|
| 14 | Zerebrale Ischämie: Pathophysiologie, Klassifikation, Epidemiologie und Risikofaktoren. <b>2018</b> , 1-7   |     |   |
| 13 | Zerebrale Mikroangiopathie. <b>2018</b> , 1-4   |     |   |
| 12 | Zerebrale Ischämie: Pathophysiologie, Klassifikation, Epidemiologie und Risikofaktoren. <i>Springer Reference Medizin</i> , <b>2020</b> , 823-829                             | 0   |   |
| 11 | Zerebrale Mikroangiopathie. <i>Springer Reference Medizin</i> , <b>2020</b> , 845-848   | 0   |   |
| 10 | Identification and Validation of a Dysregulated miRNA-Associated mRNA Network in Temporal Lobe Epilepsy. <i>BioMed Research International</i> , <b>2021</b> , 2021, 4118216   | 3   | 1 |
| 9  | Real-time Detection of Nimodipine Effect on Ischemia Model. <i>IFMBE Proceedings</i> , <b>2009</b> , 465-467  | 0.2 |   |
| 8  | Management of acute ischemic stroke. An update for primary care physicians. <i>Western Journal of Medicine</i> , <b>1997</b> , 166, 253-62                                    |     | 4 |
| 7  | Translational Stroke Research Review: Using the Mouse to Model Human Futile Recanalization and Reperfusion Injury in Ischemic Brain Tissue.. <i>Cells</i> , <b>2021</b> , 10, | 7.9 | 1 |
| 6  | Calcium, hypercalcemia, magnesium, and brain ischemia. 357-364  |     |   |
| 5  | Effects of Pharmacological Agents on CSD. <b>2022</b> , 241-311   |     | 0 |
| 4  | Preface. <b>1995</b> , vii-viii   |     | 0 |
| 3  | Copyright Page. <b>1995</b> , iv-iv   |     | 0 |
| 2  | Contributors. <b>1995</b> , xiii-xvi  |     | 0 |
| 1  | Dedication. <b>1995</b> , v-vi  |     | 0 |