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## Glutamate neurotoxicity in cortical cell culture is calcium dependent

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#	Paper	IF	Citations
750	Neurotoxicity of excitatory amino acid receptor agonists in rat cerebellar slices: dependence on calcium concentration. <i>Neuroscience Letters</i> , <b>1986</b> , 66, 193-8	3.3	193
749	The role of specific ions in glutamate neurotoxicity. <i>Neuroscience Letters</i> , <b>1986</b> , 65, 65-71	3.3	269
748	Progress review: hypoglycemic brain damage. <b>1986</b> , 17, 699-708		209
747	Blockade of N-methyl-D-aspartate-sensitive acidic amino acid receptors inhibits ischemia-induced accumulation of purine catabolites in the rat striatum. <i>Neuroscience Letters</i> , <b>1986</b> , 68, 311-6	3.3	46
746	Brief exposure to zinc is toxic to cortical neurons. <i>Neuroscience Letters</i> , <b>1986</b> , 71, 351-5	3.3	163
745	Amino acid neurotoxicity: intracellular sites of calcium accumulation associated with the onset of irreversible damage to rat cerebellar neurones in vitro. <i>Neuroscience Letters</i> , <b>1986</b> , 71, 53-8	3.3	51
744	Changes in free calcium ion concentration recorded inside hippocampal pyramidal cells in situ. <b>1986</b> , 374, 1-11		49
743	Ketamine protects cultured neocortical neurons from hypoxic injury. <b>1986</b> , 380, 186-90		131
742	Glutamate and the pathophysiology of hypoxic--ischemic brain damage. <b>1986</b> , 19, 105-11		2190
741	Selective vulnerability of brain: new insights from the excitatory synapse. <b>1986</b> , 1, 231-40		50
740	Neurons containing NADPH-diaphorase are selectively resistant to quinolinate toxicity. <b>1986</b> , 234, 73-6		274
739	Zinc selectively blocks the action of N-methyl-D-aspartate on cortical neurons. <b>1987</b> , 236, 589-93		633
738	Inhibition of [3H]kainic acid receptor binding by divalent cations correlates with ion affinity for the calcium channel. <b>1987</b> , 26, 1247-51		107
737	Pharmacological protection against the toxicity of N-methyl-D-aspartate in immature rat cerebellar slices. <b>1987</b> , 26, 1751-61		17
736	Time and concentration dependency of the toxicity of excitatory amino acids on cerebral neurones in primary culture. <b>1987</b> , 10, 583-91		83
735	Cyanide-induced chronic partial asphyxia in vitro: neurochemical abnormalities and reversal by magnesium. <b>1987</b> , 3, 197-202		3
734	Dextrorphan and dextromethorphan attenuate glutamate neurotoxicity. <b>1987</b> , 403, 333-6		152

733	Quinolate is a weak excitant of cortical neurons in cell culture. <b>1987</b> , 420, 1-10		12
732	Neuropathological changes in the rat brain cortex in vitro: effects of kainic acid and of ion substitutions. <b>1987</b> , 423, 213-20		13
731	Glutamine protects neuronal function against cerebral hypoxia: a study using the in vitro hippocampal slice preparation. <b>1987</b> , 412, 179-81		9
730	L-homocysteate is a potent neurotoxin on cultured cortical neurons. <b>1987</b> , 437, 103-10		89
729	Cortical neurons exposed to glutamate rapidly leak preloaded 51chromium. <b>1987</b> , 96, 420-9		6
728	Current views of the pathobiochemistry of epilepsy. <b>1987</b> , 9, 119-72		64
727	Cellular mechanisms underlying excitotoxicity. <b>1987</b> , 10, 59-61		118
726	Extracellular overflow of glutamate, aspartate, GABA and taurine in the cortex and basal ganglia of fetal lambs during hypoxia-ischemia. <i>Neuroscience Letters</i> , <b>1987</b> , 78, 311-7	3-3	171
725	Receptor-linked ionic channels mediate N-methyl-D-aspartate neurotoxicity in rat cerebellar slices. <i>Neuroscience Letters</i> , <b>1987</b> , 83, 241-6	3-3	45
724	A stain for ischaemic or excessively stimulated neurons. <b>1987</b> , 23, 969-79		10
723	Cysteine sulfinat modulated calcium permeability in synaptosomes from rat brain. <i>Neuroscience Letters</i> , <b>1987</b> , 82, 71-6	3-3	
722	Quinolate neurotoxicity in cortical cell culture. <b>1987</b> , 23, 423-32		121
721	The physiology of excitatory amino acids in the vertebrate central nervous system. <b>1987</b> , 28, 197-276		1582
720	Agonist- and voltage-gated calcium entry in cultured mouse spinal cord neurons under voltage clamp measured using arsenazo III. <b>1987</b> , 7, 3230-44		239
719	The effects of excitatory amino acids on intracellular calcium in single mouse striatal neurons in vitro. <b>1987</b> , 7, 4145-58		255
718	Glial fibrillary acidic protein immunohistochemistry of spinal cord astrocytes after induction of ischemia or anoxia in culture. <b>1987</b> , 17, 168-75		21
717	Kynurenate inhibition of cell excitation decreases stroke size and deficits. <b>1987</b> , 22, 730-4		180
716	Quantitative determination of glutamate mediated cortical neuronal injury in cell culture by lactate dehydrogenase efflux assay. <b>1987</b> , 20, 83-90		1202

715	Extracellular adenosine, inosine, hypoxanthine, and xanthine in relation to tissue nucleotides and purines in rat striatum during transient ischemia. <b>1987</b> , 49, 227-31	380
714	Excitatory amino acid receptors and depolarization-induced Ca <sup>2+</sup> influx into hippocampal slices. <b>1987</b> , 48, 1917-24	44
713	Intracellular messengers in the generation and degeneration of hippocampal neuroarchitecture. <b>1988</b> , 21, 447-64	117
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710	Early postischemic <sup>45</sup> Ca accumulation in rat dentate hilus. <b>1988</b> , 8, 713-9	62
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707	Long-term development of selective neuronal loss and the mechanism of protection by 2-amino-7-phosphonoheptanoate in a rat model of incomplete forebrain ischaemia. <b>1988</b> , 8, 64-78	101
706	Induction of glutamine synthetase in rat astrocytes by co-cultivation with embryonic chick neurons. <b>1988</b> , 50, 929-35	38
705	Hypoglycemia, brain metabolism, and brain damage. <b>1988</b> , 4, 113-44	100
704	Determinants of survival after forebrain ischemia in Mongolian gerbils. <b>1988</b> , 3, 247-55	8
703	Tetrahydroaminoacridine selectively attenuates NMDA receptor-mediated neurotoxicity. <b>1988</b> , 154, 73-8	33
702	Quinolinic acid-induced seizures, but not nerve cell death, are associated with extracellular Ca <sup>2+</sup> decrease assessed in the hippocampus by brain dialysis. <b>1988</b> , 454, 289-97	17
701	Stimulation of NMDA receptors induces proteolysis of spectrin in hippocampus. <b>1988</b> , 460, 189-94	123
700	Cerebral cation shifts in hypoxic-ischemic brain damage are prevented by the sodium channel blocker tetrodotoxin. <b>1988</b> , 99, 118-32	50
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696	Pharmacology of the glutamate receptor. <b>1988</b> , 30, 399-435		100
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693	Non-competitive antagonists of N-methyl-D-aspartate receptors protect cortical and hippocampal cell cultures against glutamate neurotoxicity. <i>Neuroscience Letters</i> , <b>1988</b> , 91, 199-203	3-3	33
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690	Electrophysiology of degenerating neurones in the vagal motor nucleus of the guinea-pig following axotomy. <b>1988</b> , 404, 749-66		32
689	Metabolic imbalance and nerve cell damage in the brain. <b>1988</b> , 73, 447-63		13
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663	Cultured astroglia release a neuronotoxic activity that is not related to the excitotoxins. <b>1989</b> , 502, 21-7		25
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648	Excitotoxic amino acids and neuropsychiatric disorders. <b>1990</b> , 30, 47-71	352
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613	Turtle cortical neurons survive glutamate exposures that are lethal to mammalian neurons. <b>1991</b> , 540, 297-301		22
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611	Calcium channel antagonists attenuate NMDA receptor-mediated neurotoxicity of retinal ganglion cells in culture. <b>1991</b> , 551, 297-302		103
610	Excitatory amino acids rise to toxic levels upon impact injury to the rat spinal cord. <b>1991</b> , 547, 344-8		263
609	The hippocampal formation: morphological changes induced by thyroid, gonadal and adrenal hormones. <b>1991</b> , 16, 67-84		134
608	Synergistic effects of HIV coat protein and NMDA receptor-mediated neurotoxicity. <b>1991</b> , 7, 111-8		376

607	5-HT, MDMA (ecstasy), and nimodipine effects on <sup>45</sup> Ca-uptake into rat brain synaptosomes. <b>1991</b> , 635, 438-40	7
606	Postischemic alteration of muscarinic acetylcholine, adenosine A1 and calcium antagonist binding sites in selectively vulnerable areas: an autoradiographic study of gerbil brain. <b>1991</b> , 106, 206-12	24
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