

Glutamate as a Neurotransmitter in the Brain: Review of

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Glutamate and Epilepsy. <i>Journal of Nutrition</i> , 2000, 130, 1043S-1045S.	1.3	160
2	Glutamate: An Amino Acid of Particular Distinction. <i>Journal of Nutrition</i> , 2000, 130, 892S-900S.	1.3	101
3	Dimethyl Sulfoxide Suppresses NMDA- and AMPA-Induced Ion Currents and Calcium Influx and Protects against Excitotoxic Death in Hippocampal Neurons. <i>Experimental Neurology</i> , 2001, 170, 180-185.	2.0	74
4	On the reduction of spontaneous and glutamate-driven spinocerebellar and spinoreticular tract neuronal activity during active sleep. <i>Neuroscience</i> , 2001, 104, 199-206.	1.1	12
6	Glutamate in the enteric nervous system. <i>Current Opinion in Pharmacology</i> , 2001, 1, 591-596.	1.7	89
7	Vesicular glutamate transporter 2 in the brain's "gut axis. <i>NeuroReport</i> , 2001, 12, 3929-3934.	0.6	62
8	Changes in the colocalization of glutamate ionotropic receptor subunits in the human epileptic temporal lobe cortex. <i>Experimental Brain Research</i> , 2001, 138, 398-402.	0.7	11
9	Role of glutamatergic and GABAergic systems in alcoholism. <i>Journal of Biomedical Science</i> , 2001, 8, 7-19.	2.6	116
10	Selective and biphasic effect of the membrane lipid peroxidation product 4-hydroxy-2,3-nonenal on N-methyl-D-aspartate channels. <i>Journal of Neurochemistry</i> , 2001, 78, 577-589.	2.1	42
11	Dominance of the lurcher mutation in heteromeric kainate and AMPA receptor channels. <i>European Journal of Neuroscience</i> , 2001, 14, 861-868.	1.2	15
12	Glial transporters for glutamate, glycine and GABA I. Glutamate transporters. <i>Journal of Neuroscience Research</i> , 2001, 63, 453-460.	1.3	121
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14	Role of glutamine in cerebral nitrogen metabolism and ammonia neurotoxicity. <i>Mental Retardation and Developmental Disabilities Research Reviews</i> , 2001, 7, 280-286.	3.5	67
15	Dysregulation of Cellular Calcium Homeostasis in Alzheimer's Disease: Bad Genes and Bad Habits. <i>Journal of Molecular Neuroscience</i> , 2001, 17, 205-224.	1.1	161
16	Molecular Mechanisms of Glutamate Receptor-Mediated Excitotoxic Neuronal Cell Death. <i>Molecular Neurobiology</i> , 2001, 24, 107-130.	1.9	474
17	Differences in Neurotransmitter Synthesis and Intermediary Metabolism between Glutamatergic and GABAergic Neurons during 4 Hours of Middle Cerebral Artery Occlusion in the Rat: The Role of Astrocytes in Neuronal Survival. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2001, 21, 1451-1463.	2.4	72
18	Glutamate release promotes growth of malignant gliomas. <i>Nature Medicine</i> , 2001, 7, 1010-1015.	15.2	502
19	The mechanisms of action of commonly used antiepileptic drugs. , 2001, 90, 21-34.		238

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20	T-cell-based immunity counteracts the potential toxicity of glutamate in the central nervous system. <i>Journal of Neuroimmunology</i> , 2001, 119, 199-204.	1.1	75
21	Neuroprotective and behavioral effects of the selective metabotropic glutamate mGlu1 receptor antagonist BAY 36-7620. <i>European Journal of Pharmacology</i> , 2001, 428, 203-214.	1.7	65
22	Coordinate regulation of metabotropic glutamate receptors. <i>Current Opinion in Neurobiology</i> , 2001, 11, 357-362.	2.0	87
23	Chapter 6 Calcium and the pathogenesis of neurodegenerative disorders. <i>Advances in Cell Aging and Gerontology</i> , 2002, , 91-125.	0.1	0
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28	Localization and function of group III metabotropic glutamate receptors in rat pancreatic islets. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002, 282, E1324-E1333.	1.8	55
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31	The crude extract from the sea anemone, <i>Bunodosoma caissarum</i> elicits convulsions in mice: possible involvement of the glutamatergic system. <i>Toxicon</i> , 2002, 40, 1667-1674.	0.8	19
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35	Neurotransmitter transporters in the insect nervous system. <i>Advances in Insect Physiology</i> , 2002, 29, 55-149.	1.1	21
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38	The different responses of rat glutamate transporter type 2 and its mutant (tyrosine 403 to histidine) activity to volatile anesthetics and activation of protein kinase C. <i>Brain Research</i> , 2002, 953, 255-264.	1.1	29
39	Familial amyotrophic lateral sclerosis. <i>Muscle and Nerve</i> , 2002, 25, 135-159.	1.0	143
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41	Methylation of l-trans-2,4-Pyrrolidine Dicarboxylate Converts the Glutamate Transport Inhibitor from a Substrate to a Non-substrate Inhibitor. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 3509-3515.	1.4	16
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49	Rapid Determination of Glutamate Using HPLC Technology. , 2002, 186, 111-116.		3
50	Perturbed Signal Transduction in Neurodegenerative Disorders Involving Aberrant Protein Aggregation. <i>NeuroMolecular Medicine</i> , 2003, 4, 109-132.	1.8	28
51	Ethanol and brain plasticity: receptors and molecular networks of the postsynaptic density as targets of ethanol. , 2003, 99, 311-326.		81
52	In vivo simultaneous monitoring of β -aminobutyric acid, glutamate, and L-aspartate using brain microdialysis and capillary electrophoresis with laser-induced fluorescence detection: Analytical developments and in vitro/in vivo validations. <i>Electrophoresis</i> , 2003, 24, 3187-3196.	1.3	81
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83	Kainate receptor agonists and antagonists mediate tolerance to kainic acid and reduce high-affinity GTPase activity in young, but not aged, rat hippocampus. <i>Journal of Neurochemistry</i> , 2004, 90, 70-79.	2.1	24
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103	Neuroprotection and peptide toxins. <i>Brain Research Reviews</i> , 2004, 45, 125-141.	9.1	19
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113	Levetiracetam protects against kainic acid-induced toxicity. <i>Life Sciences</i> , 2004, 74, 1253-1264.	2.0	61
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117	Brain Amino Acid Requirements and Toxicity: The Example of Leucine. <i>Journal of Nutrition</i> , 2005, 135, 1531S-1538S.	1.3	147
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125	Combining exercise and cyclooxygenase-2 inhibition does not ameliorate learning deficits after brain insult, despite an increase in BDNF levels. <i>Brain Research</i> , 2005, 1046, 224-229.	1.1	7
126	Lack of the alanine~serine~cysteine transporter 1 causes tremors, seizures, and early postnatal death in mice. <i>Brain Research</i> , 2005, 1052, 212-221.	1.1	61
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131	N-Methyl-D-Aspartate Receptor in Human Prostate Cancer. <i>Journal of Membrane Biology</i> , 2005, 205, 125-128.	1.0	60
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135	Estrogen (17 β -Estradiol) Enhances Glutamine Synthetase Activity in C6-Glioma Cells. <i>Neurochemical Research</i> , 2005, 30, 661-667.	1.6	15
136	Ontogenetic Changes in Glial Fibrillary Acid Protein Phosphorylation, Glutamate Uptake and Glutamine Synthetase Activity in Olfactory Bulb of Rats. <i>Neurochemical Research</i> , 2005, 30, 1101-1108.	1.6	2
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144	Neuropharmacological profiles of antagonists of group II metabotropic glutamate receptors. <i>Neuroscience Letters</i> , 2005, 378, 131-134.	1.0	67
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146	Neurosteroid pregnenolone sulfate inhibits stimulus-evoked EPSC via presynaptic inhibition of protein kinase A in rat prelimbic cortical neurons. <i>Neuropharmacology</i> , 2005, 49, 389-399.	2.0	13
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