Paul A Rosenberg

List of Publications by Year
in descending order

144	17,432	15504 65	13379 130
papers	citations	h-index	g-index
146	146	146	15394
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Glutamate homeostasis and dopamine signaling: Implications for psychostimulant addiction behavior. Neurochemistry International, 2021, 144, 104896.	3.8	20
2	Non-Cell-Autonomous Regulation of Optic Nerve Regeneration by Amacrine Cells. Frontiers in Cellular Neuroscience, 2021, 15, 666798.	3.7	10
3	Glutamate metabolism and recycling at the excitatory synapse in health and neurodegeneration. Neuropharmacology, 2021, 196, 108719.	4.1	145
4	The Redox Biology of Excitotoxic Processes: The NMDA Receptor, TOPA Quinone, and the Oxidative Liberation of Intracellular Zinc. Frontiers in Neuroscience, 2020, 14, 778.	2.8	10
5	Conditional Knockout of GLT-1 in Neurons Leads to Alterations in Aspartate Homeostasis and Synaptic Mitochondrial Metabolism in Striatum and Hippocampus. Neurochemical Research, 2020, 45, 1420-1437.	3.3	17
6	Why and how to investigate the role of protein phosphorylation in ZIP and ZnT zinc transporter activity and regulation. Cellular and Molecular Life Sciences, 2020, 77, 3085-3102.	5.4	30
7	Escitalopram for agitation in Alzheimer's disease (Sâ€CitAD): Methods and design of an investigatorâ€initiated, randomized, controlled, multicenter clinical trial. Alzheimer's and Dementia, 2019, 15, 1427-1436.	0.8	28
8	Divergent roles of astrocytic versus neuronal EAAT2 deficiency on cognition and overlap with aging and Alzheimerâ€™s molecular signatures. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 21800-21811.	7.1	56
9	Zinc homeostasis and zinc signaling in white matter development and injury. Neuroscience Letters, 2019, 707, 134247.	2.1	19
10	Time course of neuropsychiatric symptoms and cognitive diagnosis in National Alzheimer's Coordinating Centers volunteers. Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring, 2019, 11, 333-339.	2.4	95
11	Deletion of Neuronal GLT-1 in Mice Reveals Its Role in Synaptic Glutamate Homeostasis and Mitochondrial Function. Journal of Neuroscience, 2019, 39, 4847-4863.	3.6	42
12	The Potential of Actigraphy to Assess Agitation in Dementia. American Journal of Geriatric Psychiatry, 2019, 27, 870-872.	1.2	2
13	Ventral tegmental area astrocytes orchestrate avoidance and approach behavior. Nature Communications, 2019, 10, 1455.	12.8	55
14	Recurrent SLC1A2 variants cause epilepsy via a dominant negative mechanism. Annals of Neurology, 2019, 85, 921-926.	5.3	23
15	Huntington's disease pattern of transcriptional dysregulation in the absence of mutant huntingtin is produced by knockout of neuronal GLT-1. Neurochemistry International, 2019, 123, 85-94.	3.8	17
16	Behavioral phenotyping and dopamine dynamics in mice with conditional deletion of the glutamate transporter GLT-1 in neurons: resistance to the acute locomotor effects of amphetamine. Psychopharmacology, 2018, 235, 1371-1387.	3.1	15
17	Chromis-1, a Ratiometric Fluorescent Probe Optimized for Two-Photon Microscopy Reveals Dynamic Changes in Labile Zn(II) in Differentiating Oligodendrocytes. ACS Sensors, 2018, 3, 458-467.	7.8	36
18	Zinc chelation and Klf9 knockdown cooperatively promote axon regeneration after optic nerve injury. Experimental Neurology, 2018, 300, 22-29.	4.1	62

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19	New Clues to Preclinical Alzheimerâ€™s Disease. American Journal of Psychiatry, 2018, 175, 493-494.	7.2	0
20	Apathy associated with neurocognitive disorders: Recent progress and future directions. Alzheimer's and Dementia, 2017, 13, 84-100.	0.8	167
21	Mobile zinc increases rapidly in the retina after optic nerve injury and regulates ganglion cell survival and optic nerve regeneration. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E209-E218.	7.1	111
22	Characterizing Highly Benefited Patients in Randomized Clinical Trials. International Journal of Biostatistics, 2017, 13, .	0.7	4
23	GLT-1: The elusive presynaptic glutamate transporter. Neurochemistry International, 2016, 98, 19-28.	3.8	95
24	Principal components analysis of agitation outcomes in Alzheimer's disease. Journal of Psychiatric Research, 2016, 79, 4-7.	3.1	4
25	Clinical heterogeneity associated with KCNA1 mutations include cataplexy and nonataxic presentations. Neurogenetics, 2016, 17, 11-16.	1.4	26
26	Change in agitation in Alzheimer's disease in the placebo arm of a nine-week controlled trial. International Psychogeriatrics, 2015, 27, 2059-2067.	1.0	22
27	GLT-1 Transport Stoichiometry Is Constant at Low and High Glutamate Concentrations when Chloride Is Substituted by Gluconate. PLoS ONE, 2015, 10, e0136111.	2.5	2
28	Conditional Deletion of the Glutamate Transporter GLT-1 Reveals That Astrocytic GLT-1 Protects against Fatal Epilepsy While Neuronal GLT-1 Contributes Significantly to Glutamate Uptake into Synaptosomes. Journal of Neuroscience, 2015, 35, 5187-5201.	3.6	249
29	Changes in QTc Interval in the Citalopram for Agitation in Alzheimer's Disease (CitAD) Randomized Trial. PLoS ONE, 2014, 9, e98426.	2.5	48
30	Effect of Citalopram on Agitation in Alzheimer Disease. JAMA - Journal of the American Medical Association, 2014, 311, 682.	7.4	447
31	Pathophysiology of glia in perinatal white matter injury. Glia, 2014, 62, 1790-1815.	4.9	169
32	Dysregulation of system xcâˇ' expression induced by mutant huntingtin in a striatal neuronal cell line and in R6/2 mice. Neurochemistry International, 2014, 76, 59-69.	3.8	25
33	Ferrostatins Inhibit Oxidative Lipid Damage and Cell Death in Diverse Disease Models. Journal of the American Chemical Society, 2014, 136, 4551-4556.	13.7	738
34	The challenge of understanding cerebral white matter injury in the premature infant. Neuroscience, 2014, 276, 216-238.	2.3	62
35	Mechanisms Underlying the Selective Vulnerability of Developing Human White Matter. , 2014, , 109-141.		0
36	Ceftriaxone Treatment after Traumatic Brain Injury Restores Expression of the Glutamate Transporter, GLT-1, Reduces Regional Gliosis, and Reduces Post-Traumatic Seizures in the Rat. Journal of Neurotrauma, 2013, 30, 1434-1441.	3.4	142

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37	Glutamate transporter expression and function in a striatal neuronal model of Huntingtonâ€™s disease. Neurochemistry International, 2013, 62, 973-981.	3.8	11
38	Decreased expression of <scp>GLT</scp>â€1 in the R6/2 model of Huntington's disease does not worsen disease progression. European Journal of Neuroscience, 2013, 38, 2477-2490.	2.6	41
39	Citalopram for agitation in Alzheimer's disease: Design and methods. Alzheimer's and Dementia, 2012, 8, 121-130.	0.8	45
40	Expression of EAAT2 in neurons and protoplasmic astrocytes during human cortical development. Journal of Comparative Neurology, 2012, 520, 3912-3932.	1.6	34
41	The developing oligodendrocyte: key cellular target in brain injury in the premature infant. International Journal of Developmental Neuroscience, 2011, 29, 423-440.	1.6	321
42	Reprint of â€œThe developing oligodendrocyte: key cellular target in brain injury in the premature infantâ€. International Journal of Developmental Neuroscience, 2011, 29, 565-582.	1.6	61
43	Depressive Symptoms Predict Incident Cognitive Impairment in Cognitive Healthy Older Women. American Journal of Geriatric Psychiatry, 2010, 18, 204-211.	1.2	87
44	RIP1 kinase mediates arachidonic acid-induced oxidative death of oligodendrocyte precursors. International Journal of Physiology, Pathophysiology and Pharmacology, 2010, 2, 137-47.	0.8	25
45	Regulation of Glutamate Transport in Developing Rat Oligodendrocytes. Journal of Neuroscience, 2009, 29, 7898-7908.	3.6	63
46	Biomarkers for Alzheimer's disease: ready for the next step. Brain, 2009, 132, 2002-2004.	7.6	7
47	17Î²â€estradiol protects against hypoxic/ischemic white matter damage in the neonatal rat brain. Journal of Neuroscience Research, 2009, 87, 2078-2086.	2.9	78
48	Vitamin K prevents oxidative cell death by inhibiting activation of 12â€lipoxygenase in developing oligodendrocytes. Journal of Neuroscience Research, 2009, 87, 1997-2005.	2.9	83
49	Evidence for change in currentâ€“flux coupling of GLT1 at high glutamate concentrations in rat primary forebrain neurons and GLT1aâ€expressing COSâ€7 cells. European Journal of Neuroscience, 2009, 30, 186-195.	2.6	3
50	Interaction between the glutamate transporter GLT1b and the synaptic PDZ domain protein PICK1. European Journal of Neuroscience, 2008, 27, 66-82.	2.6	51
51	Novel lipoxygenase inhibitors as neuroprotective reagents. Journal of Neuroscience Research, 2008, 86, 904-909.	2.9	73
52	Glutamate transporter EAAT2 expression is upâ€regulated in reactive astrocytes in human periventricular leukomalacia. Journal of Comparative Neurology, 2008, 508, 238-248.	1.6	34
53	Hyperoxia Causes Maturation-Dependent Cell Death in the Developing White Matter. Journal of Neuroscience, 2008, 28, 1236-1245.	3.6	161
54	Tumor Necrosis Factor Î± Mediates Lipopolysaccharide-Induced Microglial Toxicity to Developing Oligodendrocytes When Astrocytes Are Present. Journal of Neuroscience, 2008, 28, 5321-5330.	3.6	119

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55	Apoptotic surge of potassium currents is mediated by p38 phosphorylation of Kv2.1. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3568-3573.	7.1	115
56	Intracellular Zinc Release, 12-Lipoxygenase Activation and MAPK Dependent Neuronal and Oligodendroglial Death. Molecular Medicine, 2007, 13, 350-355.	4.4	75
57	Estradiol attenuates hyperoxiaâ€induced cell death in the developing white matter. Annals of Neurology, 2007, 61, 562-573.	5.3	83
58	The glutamate transporter EAAT2 is transiently expressed in developing human cerebral white matter. Journal of Comparative Neurology, 2007, 501, 879-890.	1.6	64
59	NMDA receptor-mediated extracellular adenosine accumulation is blocked by phosphatase 1/2A inhibitors. Brain Research, 2007, 1155, 116-124.	2.2	5
60	Î±-Amino-3-hydroxy-5-methyl-4-isoxazole Propionate Receptor Subunit Composition and cAMP-response Element-binding Protein Regulate Oligodendrocyte Excitotoxicity. Journal of Biological Chemistry, 2006, 281, 36004-36011.	3.4	30
61	Inducible and neuronal nitric oxide synthases (NOS) have complementary roles in recovery sleep induction. European Journal of Neuroscience, 2006, 24, 1443-1456.	2.6	68
62	Nitric oxide-induced adenosine inhibition of hippocampal synaptic transmission depends on adenosine kinase inhibition and is cyclic GMP independent. European Journal of Neuroscience, 2006, 24, 2471-2480.	2.6	12
63	Oligodendrocyte excitotoxicity determined by local glutamate accumulation and mitochondrial function. Journal of Neurochemistry, 2006, 98, 213-222.	3.9	51
64	Nitric oxide production in the basal forebrain is required for recovery sleep. Journal of Neurochemistry, 2006, 99, 483-498.	3.9	76
65	Intracellular Zinc Release and ERK Phosphorylation Are Required Upstream of 12-Lipoxygenase Activation in Peroxynitrite Toxicity to Mature Rat Oligodendrocytes. Journal of Biological Chemistry, 2006, 281, 9460-9470.	3.4	67
66	Cellular and subcellular mRNA localization of glutamate transporter isoforms GLT1a and GLT1b in rat brain by in situ hybridization. Journal of Comparative Neurology, 2005, 492, 78-89.	1.6	96
67	Peroxynitrite generated by inducible nitric oxide synthase and NADPH oxidase mediates microglial toxicity to oligodendrocytes. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 9936-9941.	7.1	331
68	Glutamate Receptor-Mediated Oligodendrocyte Toxicity in Periventricular Leukomalacia: A Protective Role for Topiramate. Journal of Neuroscience, 2004, 24, 4412-4420.	3.6	290
69	Developmental Lag in Superoxide Dismutases Relative to Other Antioxidant Enzymes in Premyelinated Human Telencephalic White Matter. Journal of Neuropathology and Experimental Neurology, 2004, 63, 990-999.	1.7	118
70	Role of metabotropic glutamate receptors in oligodendrocyte excitotoxicity and oxidative stress. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 7751-7756.	7.1	161
71	Glutathione Peroxidase-Catalase Cooperativity Is Required for Resistance to Hydrogen Peroxide by Mature Rat Oligodendrocytes. Journal of Neuroscience, 2004, 24, 1531-1540.	3.6	245
72	Peroxynitrite-Induced Neuronal Apoptosis Is Mediated by Intracellular Zinc Release and 12-Lipoxygenase Activation. Journal of Neuroscience, 2004, 24, 10616-10627.	3.6	169

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73	The Glutamate Transporter GLT1a Is Expressed in Excitatory Axon Terminals of Mature Hippocampal Neurons. Journal of Neuroscience, 2004, 24, 1136-1148.	3.6	240
74	Caspase-1 and poly (ADP-ribose) polymerase inhibitors may protect against peroxynitrite-induced neurotoxicity independent of their enzyme inhibitor activity. European Journal of Neuroscience, 2004, 20, 1727-1736.	2.6	25
75	Elevation of intracellular cAMP evokes activity-dependent release of adenosine in cultured rat forebrain neurons. European Journal of Neuroscience, 2004, 19, 2669-2681.	2.6	14
76	Developmental up-regulation of MnSOD in rat oligodendrocytes confers protection against oxidative injury. European Journal of Neuroscience, 2004, 20, 29-40.	2.6	75
77	Nitric oxideâ€induced cell death in developing oligodendrocytes is associated with mitochondrial dysfunction and apoptosisâ€inducing factor translocation. European Journal of Neuroscience, 2004, 20, 1713-1726.	2.6	111
78	12-Lipoxygenase plays a key role in cell death caused by glutathione depletion and arachidonic acid in rat oligodendrocytes. European Journal of Neuroscience, 2004, 20, 2049-2058.	2.6	89
79	Zaprinast stimulates extracellular adenosine accumulation in rat pontine slices. Neuroscience Letters, 2004, 371, 12-17.	2.1	4
80	Mature myelin basic protein-expressing oligodendrocytes are insensitive to kainate toxicity. Journal of Neuroscience Research, 2003, 71, 237-245.	2.9	130
81	NMDA receptor-mediated extracellular adenosine accumulation in rat forebrain neurons in culture is associated with inhibition of adenosine kinase. European Journal of Neuroscience, 2003, 17, 1213-1222.	2.6	17
82	Activation of innate immunity in the CNS triggers neurodegeneration through a Toll-like receptor 4-dependent pathway. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 8514-8519.	7.1	912
83	Calcium-permeable AMPA/kainate receptors mediate toxicity and preconditioning by oxygen-glucose deprivation in oligodendrocyte precursors. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6801-6806.	7.1	186
84	Nitrosative and Oxidative Injury to Premyelinating Oligodendrocytes in Periventricular Leukomalacia. Journal of Neuropathology and Experimental Neurology, 2003, 62, 441-450.	1.7	408
85	Novel Role of Vitamin K in Preventing Oxidative Injury to Developing Oligodendrocytes and Neurons. Journal of Neuroscience, 2003, 23, 5816-5826.	3.6	202
86	Comparison of the Potency of Competitive NMDA Antagonists Against the Neurotoxicity of Glutamate and NMDA. Journal of Neurochemistry, 2002, 63, 879-885.	3.9	19
87	Expression of a Variant Form of the Glutamate Transporter GLT1 in Neuronal Cultures and in Neurons and Astrocytes in the Rat Brain. Journal of Neuroscience, 2002, 22, 2142-2152.	3.6	193
88	The Toll-Like Receptor TLR4 Is Necessary for Lipopolysaccharide-Induced Oligodendrocyte Injury in the CNS. Journal of Neuroscience, 2002, 22, 2478-2486.	3.6	587
89	The essential nutrient pyrroloquinoline quinone may act as a neuroprotectant by suppressing peroxynitrite formation. European Journal of Neuroscience, 2002, 16, 1015-1024.	2.6	48
90	Expression of cGMP-Specific Phosphodiesterase 9A mRNA in the Rat Brain. Journal of Neuroscience, 2001, 21, 9068-9076.	3.6	106

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91	Differential expression of glutamate receptor subtypes in human brainstem sites involved in perinatal hypoxia-ischemia. Journal of Comparative Neurology, 2000, 427, 196-208.	1.6	39
92	Novel Role for the NMDA Receptor Redox Modulatory Site in the Pathophysiology of Seizures. Journal of Neuroscience, 2000, 20, 2409-2417.	3.6	54
93	Nitric Oxide-Stimulated Increase in Extracellular Adenosine Accumulation in Rat Forebrain Neurons in Culture Is Associated with ATP Hydrolysis and Inhibition of Adenosine Kinase Activity. Journal of Neuroscience, 2000, 20, 6294-6301.	3.6	64
94	NBQX Attenuates Excitotoxic Injury in Developing White Matter. Journal of Neuroscience, 2000, 20, 9235-9241.	3.6	368
95	NMDA and Glutamate Evoke Excitotoxicity at Distinct Cellular Locations in Rat Cortical Neurons<i>In Vitro</i>. Journal of Neuroscience, 2000, 20, 8831-8837.	3.6	75
96	A new Alamar Blue viability assay to rapidly quantify oligodendrocyte death. Journal of Neuroscience Methods, 1999, 91, 47-54.	2.5	75
97	Intracellular Redox State Determines Whether Nitric Oxide Is Toxic or Protective to Rat Oligodendrocytes in Culture. Journal of Neurochemistry, 1999, 73, 476-484.	3.9	76
98	Dihydrokainate-sensitive neuronal glutamate transport is required for protection of rat cortical neurons in culture against synaptically released glutamate. European Journal of Neuroscience, 1998, 10, 2523-2531.	2.6	39
99	Chapter 5 Why is the role of nitric oxide in NMDA receptor function and dysfunction so controversial?. Progress in Brain Research, 1998, 118, 53-71.	1.4	25
100	Axon Outgrowth Is Regulated by an Intracellular Purine-sensitive Mechanism in Retinal Ganglion Cells. Journal of Biological Chemistry, 1998, 273, 29626-29634.	3.4	90
101	High Affinity Glutamate Transport in Rat Cortical Neurons in Culture. Molecular Pharmacology, 1998, 53, 88-96.	2.3	72
102	Maturation-Dependent Vulnerability of Oligodendrocytes to Oxidative Stress-Induced Death Caused by Glutathione Depletion. Journal of Neuroscience, 1998, 18, 6241-6253.	3.6	544
103	Dihydrokainate-sensitive neuronal glutamate transport is required for protection of rat cortical neurons in culture against synaptically released glutamate. European Journal of Neuroscience, 1998, 10, 2523-2531.	2.6	1
104	Characterization of brain ecto-apyrase: evidence for only one ecto-apyrase (CD39) gene. Molecular Brain Research, 1997, 47, 295-302.	2.3	81
105	Potential therapeutic intervention following hypoxic-ischemic insult. , 1997, 3, 76-84.		2
106	NMDA Receptorâ€Mediated Neurotoxicity: A Paradoxical Requirement for Extracellular Mg²⁺ in Na⁺/Ca²⁺â€Free Solutions in Rat Cortical Neurons In Vitro. Journal of Neurochemistry, 1997, 68, 1836-1845.	3.9	62
107	Forskolin evokes extracellular adenosine accumulation in rat cortical cultures. Neuroscience Letters, 1996, 211, 49-52.	2.1	25
108	Extracellular Synthesis of cADP-Ribose from Nicotinamide-Adenine Dinucleotide by Rat Cortical Astrocytes in Culture. Journal of Neuroscience, 1996, 16, 5372-5381.	3.6	24

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109	NMDA Receptor Activation Inhibits Neuronal Volume Regulation after Swelling Induced by Veratridine-Stimulated Na+Influx in Rat Cortical Cultures. Journal of Neuroscience, 1996, 16, 7447-7457.	3.6	89
110	The Glutamate Transport Inhibitor L-trans-pyrrolidine-2,4-dicarboxylate Indirectly Evokes NMDA Receptor Mediated Neurotoxicity in Rat Cortical Cultures. European Journal of Neuroscience, 1996, 8, 1840-1852.	2.6	65
111	Cystine Deprivation Induces Oligodendroglial Death: Rescue by Free Radical Scavengers and by a Diffusible Glial Factor. Journal of Neurochemistry, 1996, 67, 566-573.	3.9	114
112	Adenylyl cyclase activation underlies intracellular cyclic AMP accumulation, cyclic AMP transport, and extracellular adenosine accumulation evoked by Î²-adrenergic receptor stimulation in mixed cultures of neurons and astrocytes derived from rat cerebral cortex. Brain Research, 1995, 692, 227-232.	2.2	71
113	TOPA quinone, a kainate-like agonist and excitotoxin is generated by a catecholaminergic cell line. Journal of Neuroscience, 1995, 15, 3172-3177.	3.6	22
114	Vasoactive intestinal peptide regulates extracellular adenosine levels in rat cortical cultures. Neuroscience Letters, 1995, 200, 93-96.	2.1	19
115	Ironâ€Mediated Oxidation of 3,4â€Dihydroxyphenylalanine to an Excitotoxin. Journal of Neurochemistry, 1995, 64, 1742-1748.	3.9	24
116	Beta-adrenergic receptor-mediated regulation of extracellular adenosine in cerebral cortex in culture. Journal of Neuroscience, 1994, 14, 2953-2965.	3.6	86
117	Box I and II motif from myelin basic protein gene promoter binds to nuclear proteins from rodent brain. Journal of Molecular Neuroscience, 1994, 5, 27-37.	2.3	3
118	Excitatory Amino Acids as a Final Common Pathway for Neurologic Disorders. New England Journal of Medicine, 1994, 330, 613-622.	27.0	2,500
119	Further evidence that pyrroloquinoline quinone interacts with the receptor redox site in rat cortical neurons in vitro. Neuroscience Letters, 1994, 168, 189-192.	2.1	30
120	The putative essential nutrient pyrroloquinoline quinone is neuroprotective in a rodent model of hypoxic/ischemic brain injury. Neuroscience, 1994, 62, 399-406.	2.3	66
121	Nonenzymatic Conversion of 3,4-Dihydroxyphenylalanine to 2,4,5-Trihydroxyphenylalanine and 2,4,5-Trihydroxyphenylalanine Quinone in Physiological Solutions. Journal of Neurochemistry, 1993, 61, 911-920.	3.9	21
122	Localization of synapses in rat cortical cultures. Neuroscience, 1993, 53, 495-508.	2.3	35
123	Multifactor Behavioral Treatment of Chronic Sleep-Onset Insomnia Using Stimulus Control and the Relaxation Response. Behavior Modification, 1993, 17, 498-509.	1.6	51
124	Vulnerability of oligodendroglia to glutamate: pharmacology, mechanisms, and prevention. Journal of Neuroscience, 1993, 13, 1441-1453.	3.6	506
125	Functional significance of cyclic AMP secretion in cerebral cortex. Brain Research Bulletin, 1992, 29, 315-318.	3.0	25
126	Neuronal injury evoked by depolarizing agents in rat cortical cultures. Neuroscience, 1992, 51, 931-939.	2.3	36

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127	Glutathione prevents 2,4,5-trihydroxyphenylalanine excitotoxicity by maintaining it in a reduced, non-active form. Neuroscience Letters, 1992, 144, 233-236.	2.1	21
128	Glutamate uptake disguises neurotoxic potency of glutamate agonists in cerebral cortex in dissociated cell culture. Journal of Neuroscience, 1992, 12, 56-61.	3.6	239
129	Interaction of the putative essential nutrient pyrroloquinoline quinone with the N-methyl-D-aspartate receptor redox modulatory site. Journal of Neuroscience, 1992, 12, 2362-2369.	3.6	78
130	2,4,5-trihydroxyphenylalanine in solution forms a non-N-methyl-D-aspartate glutamatergic agonist and neurotoxin.. Proceedings of the National Academy of Sciences of the United States of America, 1991, 88, 4865-4869.	7.1	50
131	Accumulation of extracellular glutamate and neuronal death in astrocyte-poor cortical cultures exposed to glutamine. Glia, 1991, 4, 91-100.	4.9	97
132	A 3,4-dihydroxyphenylalanine oxidation product is a glutamatergic agonist in rat cortical neurons. Neuroscience Letters, 1990, 116, 168-171.	2.1	34
133	Extracellular cAMP accumulation and degradation in rat cerebral cortex in dissociated cell culture. Journal of Neuroscience, 1989, 9, 2654-2663.	3.6	74
134	Hundred-fold increase in neuronal vulnerability to glutamate toxicity in astrocyte-poor cultures of rat cerebral cortex. Neuroscience Letters, 1989, 103, 162-168.	2.1	379
135	Cell and fiber type distribution of dystrophin. Neuron, 1988, 1, 411-420.	8.1	210
136	Catecholamine toxicity in cerebral cortex in dissociated cell culture. Journal of Neuroscience, 1988, 8, 2887-2894.	3.6	208
137	A small subset of cortical astrocytes in culture accumulates glycogen. International Journal of Developmental Neuroscience, 1987, 5, 227-235.	1.6	35
138	Glycogen accumulation in rat cerebral cortex in dissociated cell culture. Journal of Neuroscience Methods, 1985, 15, 101-112.	2.5	25
139	Effects of norepinephrine on rat neocortical neurons in dissociated cell culture. Brain Research, 1985, 344, 369-372.	2.2	39
140	Afferent connections of the perirhinal cortex in the rat. Journal of Comparative Neurology, 1983, 220, 168-190.	1.6	397
141	Interaction of ions and water in gramicidin A channels: streaming potentials across lipid bilayer membranes.. Journal of General Physiology, 1978, 72, 327-340.	1.9	148
142	Water permeability of gramicidin A-treated lipid bilayer membranes.. Journal of General Physiology, 1978, 72, 341-350.	1.9	149
143	Glutamate receptors, transporters and periventricular leukomalacia. , 0, , 186-201.		0
144	Deletion of the Sodium-Dependent Glutamate Transporter GLT-1 in Maturing Oligodendrocytes Attenuates Myelination of Callosal Axons During a Postnatal Phase of Central Nervous System Development. Frontiers in Cellular Neuroscience, 0, 16, .	3.7	2