

Joseph H Neale

List of Publications by Year in Descending Order

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

56
papers

3,216
citations

32
h-index

56
g-index

57
ext. papers

3,434
ext. citations

6
avg, IF

4.79
L-index

#	Paper	IF	Citations
56	Enzymes Glutamate Carboxypeptidase II (EC 3.4.17.21) 2021 , 384-391		
55	N-acetylaspartylglutamate (NAAG) and glutamate carboxypeptidase II: An abundant peptide neurotransmitter-enzyme system with multiple clinical applications. <i>Progress in Neurobiology</i> , 2020 , 184, 101722	10.9	15
54	A role for N-acetylaspartylglutamate (NAAG) and mGluR3 in cognition. <i>Neurobiology of Learning and Memory</i> , 2019 , 158, 9-13	3.1	17
53	A role for the locus coeruleus in the analgesic efficacy of N-acetylaspartylglutamate peptidase (GCP II) inhibitors ZJ43 and 2-PMPA. <i>Molecular Pain</i> , 2017 , 13, 1744806917697008	3.4	10
52	NAAG Peptidase Inhibitors Act via mGluR3: Animal Models of Memory, Alzheimer's, and Ethanol Intoxication. <i>Neurochemical Research</i> , 2017 , 42, 2646-2657	4.6	14
51	Glutamate carboxypeptidase II gene knockout attenuates oxidative stress and cortical apoptosis after traumatic brain injury. <i>BMC Neuroscience</i> , 2016 , 17, 15	3.2	29
50	Mice lacking glutamate carboxypeptidase II develop normally, but are less susceptible to traumatic brain injury. <i>Journal of Neurochemistry</i> , 2015 , 134, 340-53	6	32
49	Immunohistological and electrophysiological evidence that N-acetylaspartylglutamate is a co-transmitter at the vertebrate neuromuscular junction. <i>European Journal of Neuroscience</i> , 2013 , 37, 118-29	3.5	24
48	NAAG peptidase inhibitors and deletion of NAAG peptidase gene enhance memory in novel object recognition test. <i>European Journal of Pharmacology</i> , 2013 , 701, 27-32	5.3	19
47	mGluR3 and not mGluR2 receptors mediate the efficacy of NAAG peptidase inhibitor in validated model of schizophrenia. <i>Schizophrenia Research</i> , 2012 , 136, 160-1	3.6	30
46	NAAG peptidase inhibition in the periaqueductal gray and rostral ventromedial medulla reduces flinching in the formalin model of inflammation. <i>Molecular Pain</i> , 2012 , 8, 67	3.4	19
45	Effects of N-acetylaspartylglutamate (NAAG) peptidase inhibition on release of glutamate and dopamine in prefrontal cortex and nucleus accumbens in phencyclidine model of schizophrenia. <i>Journal of Biological Chemistry</i> , 2012 , 287, 21773-82	5.4	38
44	Type 2 metabotropic glutamate receptor (mGluR2) fails to negatively couple to cGMP in stably transfected cells. <i>Neurochemistry International</i> , 2011 , 58, 176-9	4.4	6
43	Advances in understanding the peptide neurotransmitter NAAG and appearance of a new member of the NAAG neuropeptide family. <i>Journal of Neurochemistry</i> , 2011 , 118, 490-8	6	68
42	Post-injury administration of NAAG peptidase inhibitor prodrug, PGI-02776, in experimental TBI. <i>Brain Research</i> , 2011 , 1395, 62-73	3.7	23
41	Group II mGluR agonist LY354740 and NAAG peptidase inhibitor effects on prepulse inhibition in PCP and D-amphetamine models of schizophrenia. <i>Psychopharmacology</i> , 2011 , 216, 235-43	4.7	19
40	Endogenous N-acetylaspartylglutamate (NAAG) inhibits synaptic plasticity/transmission in the amygdala in a mouse inflammatory pain model. <i>Molecular Pain</i> , 2010 , 6, 60	3.4	54

39	Intracerebroventricular administration of N-acetylaspartylglutamate (NAAG) peptidase inhibitors is analgesic in inflammatory pain. <i>Molecular Pain</i> , 2008 , 4, 31	3.4	23
38	Phencyclidine and dizocilpine induced behaviors reduced by N-acetylaspartylglutamate peptidase inhibition via metabotropic glutamate receptors. <i>Biological Psychiatry</i> , 2008 , 63, 86-91	7.9	48
37	Local administration of N-acetylaspartylglutamate (NAAG) peptidase inhibitors is analgesic in peripheral pain in rats. <i>European Journal of Neuroscience</i> , 2007 , 25, 147-58	3.5	45
36	Ketamine and N-acetylaspartylglutamate peptidase inhibitor exert analgesia in bone cancer pain. <i>Canadian Journal of Anaesthesia</i> , 2006 , 53, 891-8	3	26
35	Differential negative coupling of type 3 metabotropic glutamate receptor to cyclic GMP levels in neurons and astrocytes. <i>Journal of Neurochemistry</i> , 2006 , 96, 1071-7	6	42
34	NAAG peptidase inhibitor increases dialysate NAAG and reduces glutamate, aspartate and GABA levels in the dorsal hippocampus following fluid percussion injury in the rat. <i>Journal of Neurochemistry</i> , 2006 , 97, 1015-25	6	79
33	The neurotransmitter N-acetylaspartylglutamate in models of pain, ALS, diabetic neuropathy, CNS injury and schizophrenia. <i>Trends in Pharmacological Sciences</i> , 2005 , 26, 477-84	13.2	101
32	NAAG peptidase inhibitors and their potential for diagnosis and therapy. <i>Nature Reviews Drug Discovery</i> , 2005 , 4, 1015-26	64.1	176
31	NAAG peptidase inhibitor reduces acute neuronal degeneration and astrocyte damage following lateral fluid percussion TBI in rats. <i>Journal of Neurotrauma</i> , 2005 , 22, 266-76	5.4	69
30	Antinociceptive effects of N-acetylaspartylglutamate (NAAG) peptidase inhibitors ZJ-11, ZJ-17 and ZJ-43 in the rat formalin test and in the rat neuropathic pain model. <i>European Journal of Neuroscience</i> , 2004 , 20, 483-94	3.5	82
29	NAAG peptidase inhibition reduces locomotor activity and some stereotypes in the PCP model of schizophrenia via group II mGluR. <i>Journal of Neurochemistry</i> , 2004 , 89, 876-85	6	119
28	The cloning and characterization of a second brain enzyme with NAAG peptidase activity. <i>Journal of Neurochemistry</i> , 2004 , 89, 627-35	6	64
27	Biosynthesis of NAAG by an enzyme-mediated process in rat central nervous system neurons and glia. <i>Journal of Neurochemistry</i> , 2004 , 90, 989-97	6	43
26	Synthesis of urea-based inhibitors as active site probes of glutamate carboxypeptidase II: efficacy as analgesic agents. <i>Journal of Medicinal Chemistry</i> , 2004 , 47, 1729-38	8.3	171
25	Deletion of the glutamate carboxypeptidase II gene in mice reveals a second enzyme activity that hydrolyzes N-acetylaspartylglutamate. <i>Journal of Neurochemistry</i> , 2002 , 83, 20-9	6	66
24	NAAG inhibits KCl-induced [3H]-GABA release via mGluR3, cAMP, PKA and L-type calcium conductance. <i>European Journal of Neuroscience</i> , 2001 , 13, 340-346	3.5	2
23	Ribozyme-mediated reduction of the GABA(A) receptor alpha1 subunit. <i>Molecular Brain Research</i> , 2001 , 92, 149-56		1
22	Design of remarkably simple, yet potent urea-based inhibitors of glutamate carboxypeptidase II (NAALADase). <i>Journal of Medicinal Chemistry</i> , 2001 , 44, 298-301	8.3	181

21	beta-NAAG rescues LTP from blockade by NAAG in rat dentate gyrus via the type 3 metabotropic glutamate receptor. <i>Journal of Neurophysiology</i> , 2001 , 85, 1097-106	3.2	46
20	N-Acetylaspartylglutamate: the most abundant peptide neurotransmitter in the mammalian central nervous system. <i>Journal of Neurochemistry</i> , 2000 , 75, 443-52	6	264
19	N-acetylaspartylglutamate activates cyclic AMP-coupled metabotropic glutamate receptors in cerebellar astrocytes. <i>Glia</i> , 1998 , 24, 172-9	9	88
18	N-acetylaspartylglutamate selectively activates mGluR3 receptors in transfected cells. <i>Journal of Neurochemistry</i> , 1997 , 69, 174-81	6	230
17	Molecular cloning of a peptidase against N-acetylaspartylglutamate from a rat hippocampal cDNA library. <i>Journal of Neurochemistry</i> , 1997 , 69, 2270-7	6	63
16	The regional distribution of N-acetylaspartylglutamate (NAAG) and peptidase activity against NAAG in the rat nervous system. <i>Journal of Neurochemistry</i> , 1994 , 62, 275-81	6	68
15	Interactions between N-acetylaspartylglutamate and AMPA, kainate, and NMDA binding sites. <i>Journal of Neurochemistry</i> , 1994 , 63, 1714-9	6	55
14	Comparative distribution of N-acetylaspartylglutamate and GAD67 in the cerebellum and precerebellar nuclei of the rat utilizing enhanced carbodiimide fixation and immunohistochemistry. <i>Journal of Comparative Neurology</i> , 1994 , 347, 598-618	3.4	31
13	N-acetylaspartylglutamate inhibits forskolin-stimulated cyclic AMP levels via a metabotropic glutamate receptor in cultured cerebellar granule cells. <i>Journal of Neurochemistry</i> , 1993 , 61, 943-8	6	105
12	Localization and transport of N-acetylaspartylglutamate in cells of whole murine brain in primary culture. <i>Journal of Neurochemistry</i> , 1993 , 60, 1631-8	6	37
11	Uptake, metabolism, and release of N-[3H]acetylaspartylglutamate by the avian retina. <i>Journal of Neurochemistry</i> , 1992 , 58, 2191-9	6	29
10	N-acetylaspartylglutamate immunoreactivity in neurons of the monkey's visual pathway. <i>Journal of Comparative Neurology</i> , 1991 , 313, 45-64	3.4	43
9	Type I and type II gamma-aminobutyric acid/benzodiazepine receptors: purification and analysis of novel receptor complex from neonatal cortex. <i>Journal of Neurochemistry</i> , 1989 , 52, 1114-22	6	25
8	Immunological identification of multiple alpha-like subunits of the gamma-aminobutyric acidA receptor complex purified from neonatal rat cortex. <i>Journal of Neurochemistry</i> , 1989 , 53, 1089-95	6	23
7	Two forms of the GABAA receptor distinguished by anion-exchange chromatography. <i>FEBS Letters</i> , 1989 , 247, 81-5	3.8	4
6	Calcium-dependent release of N-acetylaspartylglutamate from retinal neurons upon depolarization. <i>Brain Research</i> , 1988 , 475, 151-5	3.7	57
5	Ultrastructural localization of N-acetylaspartylglutamate in synaptic vesicles of retinal neurons. <i>Brain Research</i> , 1988 , 456, 375-81	3.7	67
4	N-acetylaspartylglutamate immunoreactivity in neurons of the cat's visual system. <i>Brain Research</i> , 1987 , 420, 188-93	3.7	77

3	Localization of N-acetylaspartylglutamate-like immunoreactivity in selected areas of the rat brain. <i>Neuroscience Letters</i> , 1986 , 72, 14-20	3-3	92
2	Conditioned medium from spinal cord cells stimulates DRG cells to migrate, cluster and rearrange in dissociated cell cultures. <i>International Journal of Developmental Neuroscience</i> , 1983 , 1, 249-56	2-7	
1	Comparative analysis of rapidly transported axonal proteins in sensory neurons of the frog and rat. <i>Journal of Neurochemistry</i> , 1980 , 35, 838-42	6	4