

Norton H Neff

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68
papers

2,585
citations

32
h-index

49
g-index

68
ext. papers

2,661
ext. citations

4.7
avg, IF

4.43
L-index

#	Paper	IF	Citations
68	A new projection from locus coeruleus to the spinal ventral columns: histochemical and biochemical evidence. <i>Brain Research</i> , 1978 , 148, 207-13	3.7	167
67	Fluorometric estimation of 4-hydroxy-3-methoxyphenylethyleneglycol sulphate in brain. <i>British Journal of Pharmacology</i> , 1972 , 45, 435-41	8.6	157
66	1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) and free radicals in vitro. <i>Biochemical Pharmacology</i> , 1988 , 37, 4573-4	6	124
65	Differentiation of dopaminergic and noradrenergic neurons in rat spinal cord. <i>Journal of Neurochemistry</i> , 1978 , 30, 1095-9	6	118
64	GM1 ganglioside induces phosphorylation and activation of Trk and Erk in brain. <i>Journal of Neurochemistry</i> , 2002 , 81, 696-707	6	117
63	Epinephrine: a potential neurotransmitter in retina. <i>Journal of Neurochemistry</i> , 1983 , 41, 1440-4	6	113
62	Epidermal growth factor enhances striatal dopaminergic parameters in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine-treated mouse. <i>Journal of Neurochemistry</i> , 1991 , 57, 479-82	6	82
61	Current status of dopamine in the mammalian spinal cord. <i>Biochemical Pharmacology</i> , 1979 , 28, 1569-73	6	79
60	Nicotine abstinence in the mouse. <i>Brain Research</i> , 1999 , 850, 189-96	3.7	78
59	GM1 ganglioside: in vivo and in vitro trophic actions on central neurotransmitter systems. <i>Journal of Neurochemistry</i> , 1998 , 70, 1335-45	6	75
58	Nicotine and endogenous opioids: neurochemical and pharmacological evidence. <i>Neuropharmacology</i> , 2011 , 60, 1209-20	5.5	70
57	Aromatic L-amino acid decarboxylase is modulated by D1 dopamine receptors in rat retina. <i>Journal of Neurochemistry</i> , 1990 , 54, 787-91	6	70
56	Aromatic L-amino acid decarboxylase activity of the rat retina is modulated in vivo by environmental light. <i>Journal of Neurochemistry</i> , 1988 , 51, 1560-4	6	68
55	Activation of dopamine-containing amacrine cells of retina: light-induced increase of acidic dopamine metabolites. <i>Brain Research</i> , 1983 , 260, 125-7	3.7	66
54	Preproenkephalin mRNA and methionine-enkephalin content are increased in mouse striatum after treatment with nicotine. <i>Journal of Neurochemistry</i> , 1995 , 64, 1878-83	6	58
53	Modulation of retinal aromatic L-amino acid decarboxylase via alpha 2 adrenoceptors. <i>Journal of Neurochemistry</i> , 1989 , 52, 647-52	6	56
52	Regulation of tyrosine hydroxylase and aromatic L-amino acid decarboxylase by dopaminergic drugs. <i>European Journal of Pharmacology</i> , 1997 , 323, 149-57	5.3	54

51	Enhancing aromatic L-amino acid decarboxylase activity: implications for L-DOPA treatment in Parkinson's disease. <i>CNS Neuroscience and Therapeutics</i> , 2008 , 14, 340-51	6.8	46
50	Proton magnetic resonance imaging and spectroscopy identify metabolic changes in the striatum in the MPTP feline model of parkinsonism. <i>Experimental Neurology</i> , 2003 , 179, 159-66	5.7	40
49	Met-enkephalin and preproenkephalin mRNA changes in the striatum of the nicotine abstinence mouse. <i>Neuroscience Letters</i> , 2002 , 325, 67-71	3.3	40
48	Acute nicotine changes dynorphin and prodynorphin mRNA in the striatum. <i>Psychopharmacology</i> , 2009 , 201, 507-16	4.7	39
47	GM1-induced activation of phosphatidylinositol 3-kinase: involvement of Trk receptors. <i>Journal of Neurochemistry</i> , 2008 , 104, 1466-77	6	37
46	GM1 and ERK signaling in the aged brain. <i>Brain Research</i> , 2005 , 1054, 125-34	3.7	37
45	Minireview. Evidence that dopamine is a neurotransmitter in peripheral tissues. <i>Life Sciences</i> , 1983 , 32, 1665-74	6.8	37
44	1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) treatment decreases dopamine and increases lipofuscin in mouse retina. <i>Neuroscience Letters</i> , 1986 , 72, 221-6	3.3	37
43	Chemical mechanisms for photoaffinity labeling of receptors. <i>Biochemical Pharmacology</i> , 1985 , 34, 2821-6		36
42	Catabolism of endogenous dopamine in peripheral tissues: is there an independent role for dopamine in peripheral neurotransmission?. <i>Journal of Neurochemistry</i> , 1982 , 38, 1453-8	6	36
41	Cyclobenzaprime: a possible mechanism of action for its muscle relaxant effect. <i>Canadian Journal of Physiology and Pharmacology</i> , 1981 , 59, 37-44	2.4	35
40	Dynorphin and prodynorphin mRNA changes in the striatum during nicotine withdrawal. <i>Synapse</i> , 2008 , 62, 448-55	2.4	34
39	GM1 ganglioside improves spatial learning and memory of aged rats. <i>Behavioural Brain Research</i> , 1997 , 85, 203-11	3.4	33
38	Nerve growth factor (NGF) and NGF mRNA change in rat uterus during pregnancy. <i>Neuroscience Letters</i> , 2000 , 294, 58-62	3.3	33
37	Dizocilpine enhances striatal tyrosine hydroxylase and aromatic L-amino acid decarboxylase activity. <i>European Journal of Pharmacology</i> , 1995 , 289, 97-101		32
36	Muscarinic receptors modulate dopamine-activated adenylate cyclase of rat striatum. <i>Journal of Neurochemistry</i> , 1983 , 41, 1364-9	6	32
35	Photoaffinity labeling of the GABAA receptor with [3H]muscimol. <i>Journal of Neurochemistry</i> , 1985 , 44, 916-21	6	29
34	Tyrosine hydroxylase, aromatic L-amino acid decarboxylase and dopamine metabolism after chronic treatment with dopaminergic drugs. <i>Brain Research</i> , 1999 , 830, 237-45	3.7	28

33	Enhanced dopamine uptake in the striatum following repeated restraint stress. <i>Synapse</i> , 2005 , 57, 167-74.4	4.4	26
32	Hypoxia-induced neurotransmitter deficits in neonatal rats are partially corrected by exogenous GM1 ganglioside. <i>Journal of Neurochemistry</i> , 1990 , 55, 864-9	6	22
31	Differential recovery of dopamine synthetic enzymes following MPTP and the consequences of GM1 ganglioside treatment. <i>European Journal of Pharmacology</i> , 1990 , 181, 137-9	5.3	20
30	Chronic treatment with diisopropylfluorophosphate increases dopamine turnover in the striatum of the rat. <i>European Journal of Pharmacology</i> , 1984 , 106, 607-11	5.3	20
29	Phosphorylation and activation of brain aromatic L-amino acid decarboxylase by cyclic AMP-dependent protein kinase. <i>Journal of Neurochemistry</i> , 2000 , 75, 725-31	6	19
28	GM1 ganglioside enhances Ret signaling in striatum. <i>Journal of Neurochemistry</i> , 2014 , 130, 541-54	6	18
27	Desensitization of μ -opioid receptors in nucleus accumbens during nicotine withdrawal. <i>Psychopharmacology</i> , 2011 , 213, 735-44	4.7	18
26	GM1 increases the content and mRNA of NGF in the brain of aged rats. <i>NeuroReport</i> , 1997 , 8, 3823-7	1.7	17
25	Clozapine modulates aromatic L-amino acid decarboxylase activity in mouse striatum. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006 , 317, 480-7	4.7	17
24	Modulation of tyrosine hydroxylase and aromatic L-amino acid decarboxylase after inhibiting monoamine oxidase-A. <i>European Journal of Pharmacology</i> , 1996 , 314, 51-9	5.3	17
23	Enhanced dopamine transporter function in striatum during nicotine withdrawal. <i>Synapse</i> , 2011 , 65, 91-8.4	8.4	16
22	Increased expression of VMAT2 in dopaminergic neurons during nicotine withdrawal. <i>Neuroscience Letters</i> , 2009 , 467, 182-6	3.3	16
21	GM1 ganglioside restores abnormal responses to acute thermal and mechanical stimuli in aged rats. <i>Brain Research</i> , 2000 , 858, 380-5	3.7	16
20	MPP+ depletes retinal dopamine and induces D-1 receptor supersensitivity. <i>European Journal of Pharmacology</i> , 1988 , 148, 453-5	5.3	15
19	Nicotine withdrawal and kappa-opioid receptors. <i>Psychopharmacology</i> , 2010 , 210, 221-9	4.7	13
18	Sciatic nerve axotomy in aged rats: response of motoneurons and the effect of GM1 ganglioside treatment. <i>Brain Research</i> , 2003 , 968, 44-53	3.7	13
17	Cholinergic deficits in aged rat spinal cord: restoration by GM1 ganglioside. <i>Brain Research</i> , 1997 , 761, 250-6	3.7	12
16	Motoric behavior in aged rats treated with GM1. <i>Brain Research</i> , 2001 , 906, 92-100	3.7	12

15	Glutamate receptors participate in the nicotine-induced changes of met-enkephalin in striatum. <i>Brain Research</i> , 2000 , 878, 72-8	3.7	12
14	Modulation of dopamine metabolism in the retina via dopamine D2 receptors. <i>Brain Research</i> , 1990 , 533, 20-3	3.7	10
13	Exposure to light accelerates the formation of dopamine from exogenous L-dopa in the rat retina. <i>Journal of Ocular Pharmacology and Therapeutics</i> , 1985 , 1, 177-81	2.6	10
12	CREB involvement in the regulation of striatal prodynorphin by nicotine. <i>Psychopharmacology</i> , 2012 , 221, 143-53	4.7	9
11	Decreased neuropeptide content in the spinal cord of aged rats: the effect of GM1 ganglioside. <i>NeuroReport</i> , 1999 , 10, 513-6	1.7	8
10	Aromatic L-amino acid decarboxylase phosphorylation and activation by PKGIalpha in vitro. <i>Journal of Neurochemistry</i> , 2010 , 114, 542-52	6	7
9	Tyrosine hydroxylase and aromatic L-amino acid decarboxylase in mesencephalic cultures after MPP+: the consequences of treatment with GM1 ganglioside. <i>Brain Research</i> , 1996 , 742, 260-4	3.7	6
8	GM1 and the aged brain. <i>Annals of the New York Academy of Sciences</i> , 1998 , 845, 225-31	6.5	5
7	D2 dopamine receptor antisense increases the activity and mRNA of tyrosine hydroxylase and aromatic l-amino acid decarboxylase in mouse brain. <i>Neuroscience Letters</i> , 1996 , 217, 105-108	3.3	5
6	1-Methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) accelerates the accumulation of lipofuscin in mouse adrenal gland. <i>Neuroscience Letters</i> , 1987 , 83, 1-6	3.3	5
5	Retinal cholinergic and dopaminergic deficits of aged rats are improved following treatment with GM1 ganglioside. <i>Brain Research</i> , 2000 , 877, 1-6	3.7	4
4	The Use of Selective Monoamine Oxidase Inhibitor Drugs for Evaluating Pharmacological and Physiological Mechanisms. <i>Novartis Foundation Symposium</i> , 163-179		3
3	The golden years: a tribute to Erminio Costa. <i>Pharmacological Research</i> , 2011 , 64, 350-8	10.2	1
2	Trophic Factors and GM1 Ganglioside in the Basal Ganglia 1994 , 225-234		
1	DOPAMINERGIC AND NORADRENERGIC NEURONS IN SPINAL CORD: FUNCTIONAL IMPLICATIONS 1979 , 1339-1341		