Peter Kasa

List of Publications by Year in descending order

100 papers	2,759 citations	185998 28 h-index	197535 49 g-index
101 all docs	101 docs citations	101 times ranked	2267 citing authors

#	Article	IF	Citations
1	The cholinergic system in Alzheimer's disease. Progress in Neurobiology, 1997, 52, 511-535.	2.8	362
2	Activated MAO-B in the brain of Alzheimer patients, demonstrated by [11C]-l-deprenyl using whole hemisphere autoradiography. Neurochemistry International, 2011, 58, 60-68.	1.9	171
3	Cholinotoxic Effects of Aluminum in Rat Brain. Journal of Neurochemistry, 1990, 54, 1020-1026.	2.1	107
4	Localization of Choline Acetyltransferase: Histochemistry at the Light Microscope Level. Nature, 1970, 226, 812-814.	13.7	95
5	Acetylcholinesterase Transport in the Central and Peripheral Nervous Tissue: the Role of Tubules in the Enzyme Transport. Nature, 1968, 218, 1265-1267.	13.7	91
6	ELECTRON MICROSCOPIC LOCALIZATION OF CHOLIN-ESTERASE BY A COPPER-LEAD-THIOCHOLINE TECHNIQUE. Journal of Neurochemistry, 1966, 13, 1345-1349.	2.1	80
7	Donepezil dose-dependently inhibits acetylcholinesterase activity in various areas and in the presynaptic cholinergic and the postsynaptic cholinoceptive enzyme-positive structures in the human and rat brain. Neuroscience, 2000, 101, 89-100.	1.1	78
8	Synaptic and non-synaptic cholinergic innervation of the various types of neurons in the main olfactory bulb of adult rat: Immunocytochemistry of choline acetyltransferase. Neuroscience, 1995, 67, 667-677.	1.1	73
9	A comparative autoradiography study in post mortem whole hemisphere human brain slices taken from Alzheimer patients and age-matched controls using two radiolabelled DAA1106 analogues with high affinity to the peripheral benzodiazepine receptor (PBR) system. Neurochemistry International, 2009, 54, 28-36.	1.9	66
10	Histochemical demonstration of copper in normal rat brain and spinal cord. Histochemistry, 1986, 85, 341-347.	1.9	62
11	The norepinephrine transporter (NET) radioligand (S,S)-[18F]FMeNER-D2 shows significant decreases in NET density in the human brain in Alzheimer's disease: A post-mortem autoradiographic study. Neurochemistry International, 2010, 56, 789-798.	1.9	62
12	Histochemical detection of zinc and copper in various neurons of the central nervous system. Acta Histochemica, 1981, 69, 12-IN4.	0.9	56
13	Reversible and irreversible acetylcholinesterase inhibitors cause changes in neuronal amyloid precursor protein processing and protein kinase C level in vitro. Neurochemistry International, 2001, 38, 219-226.	1.9	54
14	CHOLINESTERASE ACTIVITY OF ARCHICEREBELLAR MOSSY FIBRE APPARATUSES. Journal of Histochemistry and Cytochemistry, 1963, 11, 113-114.	1.3	52
15	The effect of pesticides on carp (Cyprinus carpio L). Acetylcholinesterase and its biochemical characterization. Ecotoxicology and Environmental Safety, 1992, 23, 39-45.	2.9	50
16	Presence of neurons with GABA-like immunoreactivity in the superior cervical ganglion of the rat. Neuroscience Letters, 1986, 71, 157-162.	1.0	48
17	Modulation by GABA of neuroplasticity in the central and peripheral nervous system. Neurochemical Research, 1993, 18, 453-461.	1.6	48
18	HISTOCHEMICAL AND ULTRASTRUCTURAL ALTERATIONS IN THE ISOLATED ARCHICEREBELLUM OF THE RAT. Journal of Neurochemistry, 1966, 13, 173-178.	2.1	47

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19	Imipramine and citalopram facilitate amyloid precursor protein secretion in vitro. Neurochemistry International, 2005, 47, 190-195.	1.9	40
20	HISTOCHEMICAL LOCALIZATION OF ACETYLCHOLIN-ESTERASE IN THE CAT CEREBELLAR CORTEX. Journal of Neurochemistry, 1965, 12, 31-35.	2.1	34
21	Type A and B gaba receptors mediate inhibition of acetylcholine release from cholinergic nerve terminals in the superior cervical ganglion of rat. Neurochemistry International, 1986, 8, 565-572.	1.9	34
22	Histochemistry of Zinc and Copper. International Review of Cytology, 1984, 89, 1-33.	6.2	33
23	Heterogeneous distribution of gaba-immunoreactive nerve fibers and axon terminals in the superior cervical ganglion of adult rat. Neuroscience, 1988, 26, 635-644.	1.1	33
24	Human amyloid-Î²1â€“42 applied in vivo inhibits the fast axonal transport of proteins in the sciatic nerve of rat. Neuroscience Letters, 2000, 278, 117-119.	1.0	33
25	Ultrastructural Localization of Choline Acetyltransferase and Acetylcholinesterase in Central and Peripheral Nervous Tissue. Progress in Brain Research, 1971, 34, 337-344.	0.9	31
26	Quantitative analysis of the number and distribution of neurons richly innervated by GABA-immunoreactive axons in the rat superior cervical ganglion. Journal of Comparative Neurology, 1989, 282, 264-273.	0.9	31
27	Localization of Choline Acetyltransferase: Ultrastructural Localization in Spinal Neurones. Nature, 1970, 226, 814-816.	13.7	30
28	Evidence for GABAergic fibers entering the superior cervical ganglion of rat from the preganglionic nerve trunk. Histochemistry, 1989, 92, 133-136.	1.9	28
29	Presenilin-1 and the amyloid precursor protein are transported bidirectionally in the sciatic nerve of adult rat. Neurochemistry International, 2002, 41, 429-435.	1.9	27
30	Human amyloid-Î² causes changes in the levels of endothelial protein kinase C and its Î± isoform in vitro. Neurochemistry International, 2002, 41, 409-414.	1.9	27
31	Variations in trace metal levels in rat hippocampus during ontogenetic development. Anatomy and Embryology, 1983, 167, 141-149.	1.5	26
32	Vulnerability of small GABAergic neurons to human Î²-amyloid pentapeptide. Brain Research, 1998, 796, 239-246.	1.1	26
33	INHIBITION OF CHOLINE ACETYLTRANSFERASE AND ITS HISTOCHEMICAL LOCALIZATION. Journal of Neurochemistry, 1972, 19, 1299-1304.	2.1	25
34	The relation between nerve fibres and dopamine cells of the ruminant lung. The Histochemical Journal, 1968, 1, 166-175.	0.6	23
35	In vitro effects of metrifonate on neuronal amyloid precursor protein processing and protein kinase C level. Brain Research, 2000, 863, 266-270.	1.1	23
36	Structures with GABA-like and GAD-like immunoreactivity in the cervical sympathetic ganglion complex of adult rats. Cell and Tissue Research, 1990, 262, 351-361.	1.5	21

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37	Cholinergic structures and neuropathologic alterations in the olfactory bulb of Alzheimer's disease brain samples. Brain Research, 1998, 789, 167-170.	1.1	21
38	Cholinergic innervation of the mouse superior cervical ganglion: light-and electron-microscopic immunocytochemistry for choline acetyltransferase. Cell and Tissue Research, 1991, 265, 151-158.	1.5	20
39	Experimental immune-mediated damage of septal cholinergic neurons. Journal of Neuroimmunology, 1997, 77, 63-74.	1.1	20
40	Effects of methidathion on distribution of molecular forms of acetylcholinesterase in carp, as revealed by density gradient centrifugation. Pesticide Biochemistry and Physiology, 1990, 37, 140-144.	1.6	19
41	Glial cells in coculture can increase the acetylcholinesterase activity in human brain endothelial cells. Neurochemistry International, 1992, 21, 129-133.	1.9	19
42	Presenilin-1 and its N-terminal and C-terminal fragments are transported in the sciatic nerve of rat. Brain Research, 2001, 909, 159-169.	1.1	19
43	Cholinergic Excitation and Inhibition in the Cerebellar Cortex. Nature, 1965, 208, 695-696.	13.7	18
44	Ultrastructural identification of neural elements containing trace metals. Acta Histochemica, 1978, 62, 142-154.	0.9	18
45	Neurochemistry of GABAergic System in Cerebral Cortex Chronically Exposed to Bromide In Vivo. Journal of Neurochemistry, 1987, 48, 167-169.	2.1	18
46	Partial depletion of endogenous zinc level by (D-Pen2,D-Pen5) enkephalin in the rat brain. Life Sciences, 1991, 48, PL57-PL62.	2.0	18
47	Modulation of the Acetylcholine System in the Superior Cervical Ganglion of Rat: Effects of GABA and Hypoglossal Nerve Implantation After In Vivo GABA Treatment. Journal of Neurochemistry, 1985, 44, 1363-1372.	2.1	17
48	Partial depletion and altered distribution of synaptic zinc in the rat hippocampus after treatment with sodium diethyldithiocarbamate. Brain Research, 1987, 422, 287-294.	1.1	17
49	Histochemical and biochemical demonstration of the molecular forms of acetylcholinesterase in peripheral nerve of rat. Acta Histochemica, 1982, 70, 244-257.	0.9	16
50	Expressions of amyloid precursor protein, synaptophysin and presenilin-1 in the different areas of the developing cerebellum of rat. Neurochemistry International, 2000, 36, 143-151.	1.9	16
51	GABA receptor binding in rat cerebral cortex and superior cervical ganglion in the absence of GABAergic synapses. Neuroscience Letters, 1986, 66, 269-274.	1.0	15
52	Molecular form of human lymphocyte membrane-bound acetylcholinesterase. Life Sciences, 1987, 41, 1853-1860.	2.0	15
53	Effects of amyloid-beta on cholinergic and acetylcholinesterase-positive cells in cultured basal forebrain neurons of embryonic rat brain. Brain Research, 2004, 998, 73-82.	1.1	15
54	Transport of muscarinic cholinergic receptors in the sciatic nerve of rat. Neurochemistry International, 1984, 6, 123-126.	1.9	14

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55	The structural localization of galanin, and its function in modulating acetylcholine release in the olfactory bulb of adult rat. Neuroscience, 1996, 72, 709-723.	1.1	14
56	Ethylcholine mustard aziridinium blocks the axoplasmic transport of acetylcholinesterase in cholinergic nerve fibres of the rat. Histochemistry, 1985, 83, 343-345.	1.9	13
57	Intraventricular administration of the cholinotoxin AF64A increases the accumulation of aluminum in the rat parietal cortex and hippocampus, but not in the frontal cortex. Brain Research, 1988, 444, 356-360.	1.1	13
58	Pronase treatment increases the staining intensity of GABA-immunoreactive structures in the paravertebral sympathetic ganglia. Histochemistry, 1989, 93, 13-18.	1.9	13
59	Cholinoceptive neurons without acetylcholinesterase activity and enzyme-positive neurons without cholinergic synaptic innervation are present in the main olfactory bulb of adult rat. Neuroscience, 1996, 73, 831-844.	1.1	13
60	Cerebral endothelial cell-derived laminin promotes the outgrowth of neurites in CNS neuronal cultures. International Journal of Developmental Neuroscience, 1990, 8, 193-195.	0.7	12
61	The effect of 4-(1-naphthylvinyl)-pyridine on the acetylcholine system and on the number of synaptic vesicles in the central nervous system of the rat. Neurochemistry International, 1982, 4, 185-193.	1.9	11
62	Promotion by sodium bromide of functional synapse formation from foreign nerves in the superior cervical ganglion of adult rat with intact preganglionic nerve supply. Neuroscience Letters, 1986, 69, 19-24.	1.0	11
63	In Vivo Effects of ?-Bungarotoxin on the Acetylcholine System in Different Brain Areas of the Rat. Journal of Neurochemistry, 1984, 43, 112-119.	2.1	10
64	Isolation of choline and choline esters from Krebs-Ringer solution for gas chromatographic determination. Analytical Biochemistry, 1986, 159, 260-266.	1.1	10
65	A highly sensitive method for the histochemical demonstration of copper in normal rat tissues. Histochemistry, 1986, 85, 349-352.	1.9	10
66	Regional differences in the uptake of exogenous copper into rat brain after acute treatment with sodium diethyldithiocarbamate. Histochemistry, 1987, 86, 627-632.	1.9	10
67	Differential distribution of calpain small subunit 1 and 2 in rat brain. European Journal of Neuroscience, 2004, 19, 1819-1825.	1.2	10
68	Effects of the cholinotoxin, AF 64A, on neuronal trace-metal distribution in the rat hippocampus and neocortex. Histochemistry, 1984, 81, 497-500.	1.9	9
69	An indirect method for quantitation of cellular zinc content of timm-stained cerebellar samples by energy dispersive X-ray microanalysis. Histochemistry, 1988, 89, 493-497.	1.9	8
70	Distribution and binding of 18F-labeled and 125I-labeled analogues of ACI-80, a prospective molecular imaging biomarker of disease: A whole hemisphere post mortem autoradiography study in human brains obtained from Alzheimerâ€™s disease patients. Neurochemistry International, 2012, 60, 153-162.	1.9	8
71	Electron histochemical evidence of different types of mossy fibre endings in the cerebellar cortex. Experientia, 1969, 25, 740-741.	1.2	7
72	Ultrastructural changes and diffusion of acetylcholine in rat brain after microwave irradiation. Journal of Neuroscience Methods, 1982, 5, 215-220.	1.3	7

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73	An improved method for the bulk isolation of spinal motoneurones. Journal of Neuroscience Methods, 1985, 15, 219-227.	1.3	7
74	Comparative study of acetylcholine synthesis in organs of freshwater teleosts. Fish Physiology and Biochemistry, 1991, 9, 93-99.	0.9	7
75	Immunohistoblot analysis on whole human hemispheres from normal and Alzheimer diseased brains. Neurochemistry International, 2008, 53, 181-183.	1.9	7
76	Long-term effects of selective immunolesions of cholinergic neurons of the nucleus basalis magnocellularis on the ascending cholinergic pathways in the rat: A model for Alzheimer's disease. Brain Research Bulletin, 2013, 94, 9-16.	1.4	7
77	Development of neurons containing acetylcholinesterase and cholinacetyltransferase in dispersed cell culture of rat cerebellum. Histochemistry, 1979, 61, 263-270.	1.9	6
78	Histochemical and atomic absorption demonstration of trace metal mobilization in the central nervous system and liver of the rat. Histochemistry, 1979, 59, 295-303.	1.9	6
79	4-(1-Naphthylvinyl)pyridine Decreases Brain Acetylcholine In Vivo, but Does Not Alter the Level of Acetyl-CoA. Journal of Neurochemistry, 1986, 46, 990-992.	2.1	6
80	Muscarinic cholinergic components in the carp brain. Neurochemistry International, 1989, 15, 511-516.	1.9	6
81	Muscarinic autoreceptors are differentially affected by selective muscarinic antagonists in rat hippocampus. Neurochemistry International, 1989, 15, 153-156.	1.9	6
82	[d-Pen2,d-Pen5]Enkephalin, a Î´ opioid agonist, reduces endogenous aluminum content in the rat central nervous system. Neuroscience, 1995, 66, 499-506.	1.1	6
83	Biochemical and Histochemical Evidence of 16S Acetylcholinesterase in Salivary Glands. Journal of Neurochemistry, 1982, 38, 278-280.	2.1	5
84	Demonstration of reduced levels of zinc in rat brain after treatment with d-amphetamine, but not after treatment with reserpine. Histochemistry, 1985, 83, 181-187.	1.9	5
85	Effects of trifluoperazine on the cholinergic function of the hippocampus of the rat. Neuropharmacology, 1987, 26, 439-443.	2.0	5
86	Inhibition by sodium bromide of acetylcholine release and synaptic transmission in the superior cervical ganglion of the rat. Neurochemistry International, 1987, 11, 443-449.	1.9	5
87	Effects of ischemia on cholinergic neurotransmission and electrolyte content in newborn pig lumbar spinal cord. Life Sciences, 1990, 46, 811-817.	2.0	5
88	Expression and distribution of carboxypeptidase B in the hippocampal subregions of normal and Alzheimer's disease brain. Acta Biologica Hungarica, 2003, 54, 55-62.	0.7	5
89	Effects of acetylcholinesterase inhibitors on the metabolism of amyloid precursor protein in vitro. Neurobiology (Budapest, Hungary), 2001, 9, 55-57.	0.2	5
90	Effects of Different Galanins on the Release of Acetylcholine in the Various Areas of Rat Brain a. Annals of the New York Academy of Sciences, 1998, 863, 435-437.	1.8	4

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91	In Vitro Evidence for Competitive TSPO Binding of the Imaging Biomarker Candidates Vinpocetine and Two Iodinated DAA1106 Analogues in Post Mortem Autoradiography Experiments on Whole Hemisphere Human Brain Slices. Current Radiopharmaceuticals, 2009, 2, 42-48.	0.3	4
92	Synthesis and investigation of the Î²-amyloid 1â€“42 polypeptide and its analogs. , 1993, , 792-793.		4
93	C-terminal fragments of amyloid-beta peptide cause cholinergic axonal degeneration by a toxic effect rather than by physical injury in the nondemented human brain. Neurochemical Research, 2003, 28, 493-498.	1.6	3
94	Quantitative analysis of acetylcholine release in depolarized hippocampal slices. Neurochemistry International, 1988, 12, 137-142.	1.9	2
95	Transport of Muscarinic Cholinergic Marker Protein Activities in Regenerating Sciatic Nerve of Rat. Journal of Neurochemistry, 1989, 53, 179-182.	2.1	2
96	Are there cholinergic through-fibers in the superior cervical ganglion of the mouse?. Histochemistry, 1991, 96, 261-263.	1.9	2
97	Syntheses of Galanins, Their Fragments, and Analogs a. Annals of the New York Academy of Sciences, 1998, 863, 414-416.	1.8	2
98	Change in the distribution of acetylcholinesterase molecular forms in the rat superior cervical ganglion after NaBr treatment in vivo. Neurochemistry International, 1989, 15, 157-160.	1.9	1
99	Amyloid-b1-42 treatment does not have a specific effect on cholinergic neurons in in vitro basal forebrain neuronal cultures of rat. Acta Biologica Hungarica, 2002, 53, 257-265.	0.7	1
100	PS-1 is Transported from the Moto-Neurons to Their Axon Terminals. Advances in Behavioral Biology, 2002, , 101-104.	0.2	0