Ralph A Nixon

List of Publications by Year in Descending Order

164 papers	29,191 citations	77 h-index	170 g-index
179 ext. papers	32,847 ext. citations	8.1 avg, IF	7.35 L-index

#	Paper	IF	Citations
164	Axonal transport of late endosomes and amphisomes is selectively modulated by local Ca efflux and disrupted by PSEN1 loss of function.. *Science Advances*, **2022**, 8, eabj5716	14.3	1
163	Post-Golgi carriers, not lysosomes, confer lysosomal properties to pre-degradative organelles in normal and dystrophic axons. *Cell Reports*, **2021**, 35, 109034	10.6	15
162	Alzheimer disease. *Nature Reviews Disease Primers*, **2021**, 7, 33	51.1	114
161	Assessing Rab5 Activation in Health and Disease. *Methods in Molecular Biology*, **2021**, 2293, 273-294	1.4	1
160	Neurofilament Proteins as Biomarkers to Monitor Neurological Diseases and the Efficacy of Therapies. *Frontiers in Neuroscience*, **2021**, 15, 689938	5.1	10
159	The aging lysosome: An essential catalyst for late-onset neurodegenerative diseases. *Biochimica Et Biophysica Acta - Proteins and Proteomics*, **2020**, 1868, 140443	4	28
158	Neurofilaments: neurobiological foundations for biomarker applications. *Brain*, **2020**, 143, 1975-1998	11.2	56
157	2-adrenergic Agonists Rescue Lysosome Acidification and Function in PSEN1 Deficiency by Reversing Defective ER-to-lysosome Delivery of ClC-7. *Journal of Molecular Biology*, **2020**, 432, 2633-2650	6.5	9
156	Endosomal Dysfunction Induced by Directly Overactivating Rab5 Recapitulates Prodromal and Neurodegenerative Features of Alzheimer's Disease. *Cell Reports*, **2020**, 33, 108420	10.6	26
155	Lysosomal Dysfunction in Down Syndrome Is APP-Dependent and Mediated by APP-CTF (C99). *Journal of Neuroscience*, **2019**, 39, 5255-5268	6.6	65
154	Lysosome trafficking and signaling in health and neurodegenerative diseases. *Neurobiology of Disease*, **2019**, 122, 94-105	7.5	130
153	mTOR hyperactivation in Down Syndrome underlies deficits in autophagy induction, autophagosome formation, and mitophagy. *Cell Death and Disease*, **2019**, 10, 563	9.8	46
152	Transgenic expression of a ratiometric autophagy probe specifically in neurons enables the interrogation of brain autophagy in vivo. *Autophagy*, **2019**, 15, 543-557	10.2	32
151	Dysfunction of autophagy and endosomal-lysosomal pathways: Roles in pathogenesis of Down syndrome and Alzheimer's Disease. *Free Radical Biology and Medicine*, **2018**, 114, 40-51	7.8	94
150	Promoting the clearance of neurotoxic proteins in neurodegenerative disorders of ageing. *Nature Reviews Drug Discovery*, **2018**, 17, 660-688	64.1	232
149	Neurofilament light interaction with GluN1 modulates neurotransmission and schizophrenia-associated behaviors. *Translational Psychiatry*, **2018**, 8, 167	8.6	19
148	Cyclodextrin has conflicting actions on autophagy flux in vivo in brains of normal and Alzheimer model mice. *Human Molecular Genetics*, **2017**, 26, 843-859	5.6	20

147	Neurofilaments and Neurofilament Proteins in Health and Disease. *Cold Spring Harbor Perspectives in Biology*, **2017**, 9,	10.2	228
146	Amyloid precursor protein and endosomal-lysosomal dysfunction in Alzheimer's disease: inseparable partners in a multifactorial disease. *FASEB Journal*, **2017**, 31, 2729-2743	0.9	159
145	Specialized roles of neurofilament proteins in synapses: Relevance to neuropsychiatric disorders. *Brain Research Bulletin*, **2016**, 126, 334-346	3.9	38
144	Autophagy flux in CA1 neurons of Alzheimer hippocampus: Increased induction overburdens failing lysosomes to propel neuritic dystrophy. *Autophagy*, **2016**, 12, 2467-2483	10.2	174
143	The Lysosome in Aging-Related Neurodegenerative Diseases **2016**, 137-179		2
142	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
141	Partial BACE1 reduction in a Down syndrome mouse model blocks Alzheimer-related endosomal anomalies and cholinergic neurodegeneration: role of APP-CTF. *Neurobiology of Aging*, **2016**, 39, 90-8	5.6	52
140	Cognitive Impairment, Neuroimaging, and Alzheimer Neuropathology in Mouse Models of Down Syndrome. *Current Alzheimer Research*, **2016**, 13, 35-52	3	27
139	Calpastatin inhibits motor neuron death and increases survival of hSOD1(G93A) mice. *Journal of Neurochemistry*, **2016**, 137, 253-65	6	27
138	Autophagy Enhancers, are we there Yet? **2016**, 315-356		1
137	Disorders of lysosomal acidification-The emerging role of v-ATPase in aging and neurodegenerative disease. *Ageing Research Reviews*, **2016**, 32, 75-88	12	231
136	Presenilin 1 Maintains Lysosomal Ca(2+) Homeostasis via TRPML1 by Regulating vATPase-Mediated Lysosome Acidification. *Cell Reports*, **2015**, 12, 1430-44	10.6	210
135	Early hyperactivity in lateral entorhinal cortex is associated with elevated levels of APP metabolites in the Tg2576 mouse model of Alzheimer's disease. *Experimental Neurology*, **2015**, 264, 82-91	5.7	40
134	Down syndrome and Alzheimer's disease: Common pathways, common goals. *Alzheimer's and Dementia*, **2015**, 11, 700-9	1.2	159
133	Dissociation of Axonal Neurofilament Content from Its Transport Rate. *PLoS ONE*, **2015**, 10, e0133848	3.7	5
132	Single-walled carbon nanotubes alleviate autophagic/lysosomal defects in primary glia from a mouse model of Alzheimer's disease. *Nano Letters*, **2014**, 14, 5110-7	11.5	89
131	Defective macroautophagic turnover of brain lipids in the TgCRND8 Alzheimer mouse model: prevention by correcting lysosomal proteolytic deficits. *Brain*, **2014**, 137, 3300-18	11.2	77
130	Spared piriform cortical single-unit odor processing and odor discrimination in the Tg2576 mouse model of Alzheimer's disease. *PLoS ONE*, **2014**, 9, e106431	3.7	12

129	Specific calpain inhibition by calpastatin prevents tauopathy and neurodegeneration and restores normal lifespan in tau P301L mice. *Journal of Neuroscience*, **2014**, 34, 9222-34	6.6	75
128	2014 Report on the Milestones for the US National Plan to Address Alzheimer's Disease. *Alzheimers and Dementia*, **2014**, 10, S430-52	1.2	57
127	Alzheimer neurodegeneration, autophagy, and Abeta secretion: the ins and outs (comment on DOI 10.1002/bies.201400002). *BioEssays*, **2014**, 36, 547	4.1	13
126	The role of autophagy in neurodegenerative disease. *Nature Medicine*, **2013**, 19, 983-97	50.5	1302
125	Immunization targeting a minor plaque constituent clears β-amyloid and rescues behavioral deficits in an Alzheimer's disease mouse model. *Neurobiology of Aging*, **2013**, 34, 137-45	5.6	32
124	Autophagy failure in Alzheimer's disease and the role of defective lysosomal acidification. *European Journal of Neuroscience*, **2013**, 37, 1949-61	3.5	234
123	Lysosome and calcium dysregulation in Alzheimer's disease: partners in crime. *Biochemical Society Transactions*, **2013**, 41, 1495-502	5.1	62
122	Lysosomal NEU1 deficiency affects amyloid precursor protein levels and amyloid-β secretion via deregulated lysosomal exocytosis. *Nature Communications*, **2013**, 4, 2734	17.4	76
121	Neurofilaments at a glance. *Journal of Cell Science*, **2012**, 125, 3257-63	5.3	230
120	Calpastatin modulates APP processing in the brains of β-amyloid depositing but not wild-type mice. *Neurobiology of Aging*, **2012**, 33, 1125.e9-18	5.6	11
119	Autophagy and neuronal cell death in neurological disorders. *Cold Spring Harbor Perspectives in Biology*, **2012**, 4,	10.2	114
118	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
117	The C-terminal domains of NF-H and NF-M subunits maintain axonal neurofilament content by blocking turnover of the stationary neurofilament network. *PLoS ONE*, **2012**, 7, e44320	3.7	25
116	AUTOPHAGY FAILURE IN ALZHEIMER'S DISEASE AND LYSOSOMAL STORAGE DISORDERS: A COMMON PATHWAY TO NEURODEGENERATION? **2012**, 237-257		0
115	Peripherin is a subunit of peripheral nerve neurofilaments: implications for differential vulnerability of CNS and peripheral nervous system axons. *Journal of Neuroscience*, **2012**, 32, 8501-8	6.6	69
114	The ubiquitin-proteasome system and the autophagic-lysosomal system in Alzheimer disease. *Cold Spring Harbor Perspectives in Medicine*, **2012**, 2,	5.4	119
113	Upregulation of select rab GTPases in cholinergic basal forebrain neurons in mild cognitive impairment and Alzheimer's disease. *Journal of Chemical Neuroanatomy*, **2011**, 42, 102-10	3.2	85
112	Declining phosphatases underlie aging-related hyperphosphorylation of neurofilaments. *Neurobiology of Aging*, **2011**, 32, 2016-29	5.6	37

111	Mechanisms of neural and behavioral dysfunction in Alzheimer's disease. *Molecular Neurobiology*, **2011**, 43, 163-79	6.2	12
110	Autophagy failure in Alzheimer's disease--locating the primary defect. *Neurobiology of Disease*, **2011**, 43, 38-45	7.5	454
109	Primary lysosomal dysfunction causes cargo-specific deficits of axonal transport leading to Alzheimer-like neuritic dystrophy. *Autophagy*, **2011**, 7, 1562-3	10.2	63
108	Therapeutic effects of remediating autophagy failure in a mouse model of Alzheimer disease by enhancing lysosomal proteolysis. *Autophagy*, **2011**, 7, 788-9	10.2	80
107	Lysosomal proteolysis inhibition selectively disrupts axonal transport of degradative organelles and causes an Alzheimer's-like axonal dystrophy. *Journal of Neuroscience*, **2011**, 31, 7817-30	6.6	316
106	Reversal of autophagy dysfunction in the TgCRND8 mouse model of Alzheimer's disease ameliorates amyloid pathologies and memory deficits. *Brain*, **2011**, 134, 258-77	11.2	345
105	The myosin Va head domain binds to the neurofilament-L rod and modulates endoplasmic reticulum (ER) content and distribution within axons. *PLoS ONE*, **2011**, 6, e17087	3.7	35
104	Alzheimer's-related endosome dysfunction in Down syndrome is Abeta-independent but requires APP and is reversed by BACE-1 inhibition. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 1630-5	11.5	216
103	Rapamycin induces autophagic flux in neurons. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, E181; author reply E182	11.5	23
102	Ubiquilin functions in autophagy and is degraded by chaperone-mediated autophagy. *Human Molecular Genetics*, **2010**, 19, 3219-32	5.6	178
101	Microarray analysis of hippocampal CA1 neurons implicates early endosomal dysfunction during Alzheimer's disease progression. *Biological Psychiatry*, **2010**, 68, 885-93	7.9	200
100	The contributions of myelin and axonal caliber to transverse relaxation time in shiverer and neurofilament-deficient mouse models. *NeuroImage*, **2010**, 51, 1098-105	7.9	21
99	Lysosomal proteolysis and autophagy require presenilin 1 and are disrupted by Alzheimer-related PS1 mutations. *Cell*, **2010**, 141, 1146-58	56.2	816
98	Cystatin C rescues degenerating neurons in a cystatin B-knockout mouse model of progressive myoclonus epilepsy. *American Journal of Pathology*, **2010**, 177, 2256-67	5.8	41
97	Amyloid-independent mechanisms in Alzheimer's disease pathogenesis. *Journal of Neuroscience*, **2010**, 30, 14946-54	6.6	214
96	Regional selectivity of rab5 and rab7 protein upregulation in mild cognitive impairment and Alzheimer's disease. *Journal of Alzheimer's Disease*, **2010**, 22, 631-9	4.3	92
95	Induction of autophagy by cystatin C: a mechanism that protects murine primary cortical neurons and neuronal cell lines. *PLoS ONE*, **2010**, 5, e9819	3.7	84
94	Monitoring autophagy in Alzheimer's disease and related neurodegenerative diseases. *Methods in Enzymology*, **2009**, 453, 111-44	1.7	23

93	Neurofilaments form a highly stable stationary cytoskeleton after reaching a critical level in axons. *Journal of Neuroscience*, **2009**, 29, 11316-29	6.6	81
92	Age-dependent dysregulation of brain amyloid precursor protein in the Ts65Dn Down syndrome mouse model. *Journal of Neurochemistry*, **2009**, 110, 1818-27	6	58
91	In vivo MRI identifies cholinergic circuitry deficits in a Down syndrome model. *Neurobiology of Aging* , **2009**, 30, 1453-65	5.6	39
90	Autophagy induction and autophagosome clearance in neurons: relationship to autophagic pathology in Alzheimer's disease. *Journal of Neuroscience*, **2008**, 28, 6926-37	6.6	837
89	Down syndrome fibroblast model of Alzheimer-related endosome pathology: accelerated endocytosis promotes late endocytic defects. *American Journal of Pathology*, **2008**, 173, 370-84	5.8	135
88	Neuronal apoptosis and autophagy cross talk in aging PS/APP mice, a model of Alzheimer's disease. *American Journal of Pathology*, **2008**, 173, 665-81	5.8	126
87	Marked calpastatin (CAST) depletion in Alzheimer's disease accelerates cytoskeleton disruption and neurodegeneration: neuroprotection by CAST overexpression. *Journal of Neuroscience*, **2008**, 28, 12241-54	6.6	86
86	Axonal transport rates in vivo are unaffected by tau deletion or overexpression in mice. *Journal of Neuroscience*, **2008**, 28, 1682-7	6.6	137
85	Neurodegenerative lysosomal disorders: a continuum from development to late age. *Autophagy*, **2008**, 4, 590-9	10.2	280
84	Inhibition of calpains improves memory and synaptic transmission in a mouse model of Alzheimer disease. *Journal of Clinical Investigation*, **2008**, 118, 2796-807	15.9	160
83	Autophagy, amyloidogenesis and Alzheimer disease. *Journal of Cell Science*, **2007**, 120, 4081-91	5.3	549
82	Neuronal Protein Trafficking in Alzheimer's Disease and Niemann-Pick Type C Disease **2007**, 391-411		2
81	Alpha-internexin is structurally and functionally associated with the neurofilament triplet proteins in the mature CNS. *Journal of Neuroscience*, **2006**, 26, 10006-19	6.6	160
80	Neuronal macroautophagy: from development to degeneration. *Molecular Aspects of Medicine*, **2006**, 27, 503-19	16.7	138
79	Deleting the phosphorylated tail domain of the neurofilament heavy subunit does not alter neurofilament transport rate in vivo. *Neuroscience Letters*, **2006**, 393, 264-8	3.3	41
78	Increased App expression in a mouse model of Down's syndrome disrupts NGF transport and causes cholinergic neuron degeneration. *Neuron*, **2006**, 51, 29-42	13.9	421
77	Autophagy in neurodegenerative disease: friend, foe or turncoat?. *Trends in Neurosciences*, **2006**, 29, 528-35	13.3	286
76	Lysosomal system pathways: genes to neurodegeneration in Alzheimer's disease. *Journal of Alzheimers Disease*, **2006**, 9, 277-89	4.3	186

75	A Protease Activation Cascade in the Pathogenesis of Alzheimer's Disease. *Annals of the New York Academy of Sciences*, **2006**, 924, 117-131	6.5	68
74	Extensive involvement of autophagy in Alzheimer disease: an immuno-electron microscopy study. *Journal of Neuropathology and Experimental Neurology*, **2005**, 64, 113-22	3.1	1041
73	Endosome function and dysfunction in Alzheimer's disease and other neurodegenerative diseases. *Neurobiology of Aging*, **2005**, 26, 373-82	5.6	308
72	Medical bioremediation: prospects for the application of microbial catabolic diversity to aging and several major age-related diseases. *Ageing Research Reviews*, **2005**, 4, 315-38	12	28
71	Macroautophagy--a novel Beta-amyloid peptide-generating pathway activated in Alzheimer's disease. *Journal of Cell Biology*, **2005**, 171, 87-98	7.3	791
70	Tissue processing prior to protein analysis and amyloid-beta quantitation. *Methods in Molecular Biology*, **2005**, 299, 267-78	1.4	39
69	ELISA method for measurement of amyloid-beta levels. *Methods in Molecular Biology*, **2005**, 299, 279-97	1.4	59
68	Autophagy and its possible roles in nervous system diseases, damage and repair. *Autophagy*, **2005**, 1, 11-22	10.2	383
67	Amyloid-beta deposition is associated with decreased hippocampal glucose metabolism and spatial memory impairment in APP/PS1 mice. *Journal of Neuropathology and Experimental Neurology*, **2004**, 63, 418-28	3.1	79
66	Autophagic vacuoles are enriched in amyloid precursor protein-secretase activities: implications for beta-amyloid peptide over-production and localization in Alzheimer's disease. *International Journal of Biochemistry and Cell Biology*, **2004**, 36, 2531-40	5.6	250
65	Abeta localization in abnormal endosomes: association with earliest Abeta elevations in AD and Down syndrome. *Neurobiology of Aging*, **2004**, 25, 1263-72	5.6	281
64	Niemann-Pick Type C disease and Alzheimer's disease: the APP-endosome connection fattens up. *American Journal of Pathology*, **2004**, 164, 757-61	5.8	118
63	Calpain mediates calcium-induced activation of the erk1,2 MAPK pathway and cytoskeletal phosphorylation in neurons: relevance to Alzheimer's disease. *American Journal of Pathology*, **2004**, 165, 795-805	5.8	112
62	Presenilin mutations in familial Alzheimer disease and transgenic mouse models accelerate neuronal lysosomal pathology. *Journal of Neuropathology and Experimental Neurology*, **2004**, 63, 821-30	3.1	113
61	Rab5-stimulated up-regulation of the endocytic pathway increases intracellular beta-cleaved amyloid precursor protein carboxyl-terminal fragment levels and Abeta production. *Journal of Biological Chemistry*, **2003**, 278, 31261-8	5.4	174
60	Neurofilament transport in vivo minimally requires hetero-oligomer formation. *Journal of Neuroscience*, **2003**, 23, 9452-8	6.6	48
59	App gene dosage modulates endosomal abnormalities of Alzheimer's disease in a segmental trisomy 16 mouse model of down syndrome. *Journal of Neuroscience*, **2003**, 23, 6788-92	6.6	181
58	Calpain inhibitors, a treatment for Alzheimer's disease: position paper. *Journal of Molecular Neuroscience*, **2003**, 20, 357-62	3.3	52

57	Defective neurofilament transport in mouse models of amyotrophic lateral sclerosis: a review. *Neurochemical Research*, **2003**, 28, 1041-7	4.6	56
56	The calpains in aging and aging-related diseases. *Ageing Research Reviews*, **2003**, 2, 407-18	12	165
55	The neurofilament middle molecular mass subunit carboxyl-terminal tail domains is essential for the radial growth and cytoskeletal architecture of axons but not for regulating neurofilament transport rate. *Journal of Cell Biology*, **2003**, 163, 1021-31	7.3	98
54	Calpain inhibitors: a treatment for Alzheimer's disease. *Journal of Molecular Neuroscience*, **2002**, 19, 135-41	3.3	47
53	Calpain activation in neurodegenerative diseases: confocal immunofluorescence study with antibodies specifically recognizing the active form of calpain 2. *Acta Neuropathologica*, **2002**, 104, 92-104	14.3	78
52	Alzheimer's disease-related overexpression of the cation-dependent mannose 6-phosphate receptor increases Abeta secretion: role for altered lysosomal hydrolase distribution in beta-amyloidogenesis. *Journal of Biological Chemistry*, **2002**, 277, 5299-307	5.4	79
51	Myosin Va binding to neurofilaments is essential for correct myosin Va distribution and transport and neurofilament density. *Journal of Cell Biology*, **2002**, 159, 279-90	7.3	101
50	Calpain activity regulates the cell surface distribution of amyloid precursor protein. Inhibition of calpains enhances endosomal generation of beta-cleaved C-terminal APP fragments. *Journal of Biological Chemistry*, **2002**, 277, 36415-24	5.4	91
49	Gene replacement in mice reveals that the heavily phosphorylated tail of neurofilament heavy subunit does not affect axonal caliber or the transit of cargoes in slow axonal transport. *Journal of Cell Biology*, **2002**, 158, 681-93	7.3	116
48	P301L tauopathy: confocal immunofluorescence study of perinuclear aggregation of the mutated protein. *Journal of the Neurological Sciences*, **2002**, 200, 85-93	3.2	20
47	The neuronal endosomal-lysosomal system in Alzheimer's disease. *Journal of Alzheimers Disease*, **2001**, 3, 97-107	4.3	107
46	Endocytic disturbances distinguish among subtypes of alzheimer's disease and related disorders. *Annals of Neurology*, **2001**, 50, 661-665	9.4	67
45	A beta peptide immunization reduces behavioural impairment and plaques in a model of Alzheimer's disease. *Nature*, **2000**, 408, 979-82	50.4	1308
44	The endosomal-lysosomal system of neurons in Alzheimer's disease pathogenesis: a review. *Neurochemical Research*, **2000**, 25, 1161-72	4.6	251
43	Local control of neurofilament accumulation during radial growth of myelinating axons in vivo. Selective role of site-specific phosphorylation. *Journal of Cell Biology*, **2000**, 151, 1013-24	7.3	139
42	Endocytic pathway abnormalities precede amyloid beta deposition in sporadic Alzheimer's disease and Down syndrome: differential effects of APOE genotype and presenilin mutations. *American Journal of Pathology*, **2000**, 157, 277-86	5.8	603
41	A "protease activation cascade" in the pathogenesis of Alzheimer's disease. *Annals of the New York Academy of Sciences*, **2000**, 924, 117-31	6.5	28
40	The slow axonal transport debate. *Trends in Cell Biology*, **1998**, 8, 100	18.3	16

39	Dynamic behavior and organization of cytoskeletal proteins in neurons: reconciling old and new findings. *BioEssays*, **1998**, 20, 798-807	4.1	55
38	Calpain I activation in rat hippocampal neurons in culture is NMDA receptor selective and not essential for excitotoxic cell death. *Molecular Brain Research*, **1998**, 54, 35-48		64
37	Immunocytochemistry of formalin-fixed human brain tissues: microwave irradiation of free-floating sections. *Brain Research Protocols*, **1998**, 2, 109-19		28
36	Caspase-mediated fragmentation of calpain inhibitor protein calpastatin during apoptosis. *Archives of Biochemistry and Biophysics*, **1998**, 356, 187-96	4.1	224
35	Triton-soluble phosphovariants of the heavy neurofilament subunit in developing and mature mouse central nervous system. *Journal of Neuroscience Research*, **1997**, 48, 515-523	4.4	34
34	Cellular expression and proteolytic processing of presenilin proteins is developmentally regulated during neuronal differentiation. *Journal of Neurochemistry*, **1997**, 69, 2432-40	6	68
33	Increased neuronal endocytosis and protease delivery to early endosomes in sporadic Alzheimer's disease: neuropathologic evidence for a mechanism of increased beta-amyloidogenesis. *Journal of Neuroscience*, **1997**, 17, 6142-51	6.6	320
32	Calcium influx into human neuroblastoma cells induces ALZ-50 immunoreactivity: involvement of calpain-mediated hydrolysis of protein kinase C. *Journal of Neurochemistry*, **1996**, 66, 1539-49	6	50
31	Oligodendroglia regulate the regional expansion of axon caliber and local accumulation of neurofilaments during development independently of myelin formation. *Journal of Neuroscience*, **1996**, 16, 5095-105	6.6	221
30	Colocalization of lysosomal hydrolase and beta-amyloid in diffuse plaques of the cerebellum and striatum in Alzheimer's disease and Down's syndrome. *Journal of Neuropathology and Experimental Neurology*, **1996**, 55, 704-15	3.1	59
29	Purification and properties of high molecular weight calpastatin from bovine brain. *Journal of Neurochemistry*, **1995**, 64, 859-66	6	16
28	Enhancement of neurite outgrowth following calpain inhibition is mediated by protein kinase C. *Journal of Neurochemistry*, **1995**, 65, 517-27	6	39
27	Gene expression and cellular content of cathepsin D in Alzheimer's disease brain: evidence for early up-regulation of the endosomal-lysosomal system. *Neuron*, **1995**, 14, 671-80	13.9	309
26	The endosomal-lysosomal system of neurons: new roles. *Trends in Neurosciences*, **1995**, 18, 489-96	13.3	124
25	Proteolysis of protein kinase C: mM and microM calcium-requiring calpains have different abilities to generate, and degrade the free catalytic subunit, protein kinase M. *FEBS Letters*, **1995**, 367, 223-7	3.8	60
24	Degenerative changes in epinephrine tonic vasomotor neurons in Alzheimer's disease. *Brain Research*, **1994**, 661, 35-42	3.7	39
23	Lysosomal abnormalities in degenerating neurons link neuronal compromise to senile plaque development in Alzheimer disease. *Brain Research*, **1994**, 640, 68-80	3.7	176
22	The lysosomal system in neuronal cell death: a review. *Annals of the New York Academy of Sciences*, **1993**, 679, 87-109	6.5	75

21	The regulation of neurofilament protein dynamics by phosphorylation: clues to neurofibrillary pathobiology. *Brain Pathology*, **1993**, 3, 29-38	6	150
20	Differential expression and subcellular localization of protein kinase C alpha, beta, gamma, delta, and epsilon isoforms in SH-SY5Y neuroblastoma cells: modifications during differentiation. *Journal of Neurochemistry*, **1993**, 60, 289-98	6	74
19	Specificity of calcium-activated neutral proteinase (CANP) inhibitors for human mu CANP and mCANP. *Neurochemical Research*, **1993**, 18, 231-3	4.6	23
18	Aluminum alters the electrophoretic properties of neurofilament proteins: role of phosphorylation state. *Journal of Neurochemistry*, **1992**, 58, 542-7	6	42
17	Distinct mechanisms of differentiation of SH-SY5Y neuroblastoma cells by protein kinase C activators and inhibitors. *Journal of Neurochemistry*, **1992**, 58, 1191-8	6	52
16	Immunoassay and activity of calcium-activated neutral proteinase (mCANP): distribution in soluble and membrane-associated fractions in human and mouse brain. *Journal of Neurochemistry*, **1992**, 58, 1526-32	6	23
15	Dynamics of neuronal intermediate filaments: a developmental perspective. *Cytoskeleton*, **1992**, 22, 81-91		187
14	Multiple proteases regulate neurite outgrowth in NB2a/dl neuroblastoma cells. *Journal of Neurochemistry*, **1991**, 56, 842-51	6	46
13	Dynamics of phosphorylation and assembly of the high molecular weight neurofilament subunit in NB2a/d1 neuroblastoma. *Journal of Neurochemistry*, **1990**, 55, 1784-92	6	57
12	Aluminum inhibits calpain-mediated proteolysis and induces human neurofilament proteins to form protease-resistant high molecular weight complexes. *Journal of Neurochemistry*, **1990**, 55, 1950-9	6	70
11	Early posttranslational modifications of the three neurofilament subunits in mouse retinal ganglion cells: neuronal sites and time course in relation to subunit polymerization and axonal transport. *Molecular Brain Research*, **1989**, 5, 93-108		70
10	Calcium-activated neutral proteinases as regulators of cellular function. Implications for Alzheimer's disease pathogenesis. *Annals of the New York Academy of Sciences*, **1989**, 568, 198-208	6.5	66
9	Phosphorylation of neurofilament proteins by protein kinase C. *FEBS Letters*, **1988**, 233, 181-5	3.8	57
8	Differential distribution of vimentin and neurofilament protein immunoreactivity in NB2a/d1 neuroblastoma cells following neurite retraction distinguishes two separate intermediate filament systems. *Developmental Brain Research*, **1988**, 469, 298-302		16
7	Calcium-activated neutral proteinase of human brain: subunit structure and enzymatic properties of multiple molecular forms. *Journal of Neurochemistry*, **1986**, 47, 1039-51	6	46
6	Degradation of neurofilament proteins by purified human brain cathepsin D. *Journal of Neurochemistry*, **1984**, 43, 507-16	6	80
5	Proteases of human brain. *Neurochemical Research*, **1984**, 9, 291-323	4.6	35
4	Protease activities in normal and schizophrenic human prefrontal cortex and white matter. *Neurochemical Research*, **1981**, 6, 1043-52	4.6	9

3	Characterization and comparison of neurofilament proteins from rat and mouse CNS. *Journal of Neurochemistry*, **1981**, 36, 143-53	6	63
2	In Vivo Perturbation of Lysosomal Function Promotes Neurodegeneration in the PS1M146V/APPK670N,M671L Mouse Model of Alzheimer's Disease Pathology687-695		1
1	Faulty autolysosome acidification in Alzheimer disease mouse models induces autophagic build-up of A in neurons, yielding senile plaques. *Nature Neuroscience*,	25.5	13