

# A Claudio Cuello

## List of Publications by Year in descending order

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203  
papers

11,172  
citations

29994

54  
h-index

34900

98  
g-index

213  
all docs

213  
docs citations

213  
times ranked

9933  
citing authors

#	ARTICLE	IF	CITATIONS
1	The cholinergic system in the pathophysiology and treatment of Alzheimer's disease. <i>Brain</i> , 2018, 141, 1917-1933.	3.7	1,008
2	The distribution of substance P immunoreactive fibers in the rat central nervous system. <i>Journal of Comparative Neurology</i> , 1978, 178, 129-156.	0.9	715
3	Translational control of hippocampal synaptic plasticity and memory by the eIF2 $\alpha$ kinase GCN2. <i>Nature</i> , 2005, 436, 1166-1170.	13.7	344
4	The central and peripheral ends of the substance P-containing sensory neurones in the rat trigeminal system. <i>Brain Research</i> , 1978, 152, 499-509.	1.1	340
5	Evidence for the existence of substance P-containing fibres in striato-nigral and pallido-nigral pathways in rat brain. <i>Brain Research</i> , 1977, 119, 447-453.	1.1	333
6	Activity-dependent release of precursor nerve growth factor, conversion to mature nerve growth factor, and its degradation by a protease cascade. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 6735-6740.	3.3	312
7	A Path Toward Precision Medicine for Neuroinflammatory Mechanisms in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2020, 11, 456.	2.2	201
8	Reorganization of Cholinergic Terminals in the Cerebral Cortex and Hippocampus in Transgenic Mice Carrying Mutated Presenilin-1 and Amyloid Precursor Protein Transgenes. <i>Journal of Neuroscience</i> , 1999, 19, 2706-2716.	1.7	193
9	Substance P containing and cholinergic projections from the habenula. <i>Brain Research</i> , 1978, 149, 413-429.	1.1	189
10	The anatomy of the CNS cholinergic neurons. <i>Trends in Neurosciences</i> , 1984, 7, 74-78.	4.2	187
11	A Novel Transgenic Rat Model with a Full Alzheimer's-Like Amyloid Pathology Displays Pre-Plaque Intracellular Amyloid- $\beta$ -Associated Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2010, 20, 113-126.	1.2	187
12	CENTRAL DISTRIBUTION OF OPIOID PEPTIDES. <i>British Medical Bulletin</i> , 1983, 39, 11-16.	2.7	169
13	Modeling Alzheimer's disease in transgenic rats. <i>Molecular Neurodegeneration</i> , 2013, 8, 37.	4.4	144
14	Depletion of substance P-containing axons in substantia gelatinosa of patients with diminished pain sensitivity. <i>Nature</i> , 1982, 295, 61-63.	13.7	132
15	Choline acetyltransferase-immunoreactive profiles are presynaptic to primary sensory fibers in the rat superficial dorsal horn. <i>Journal of Comparative Neurology</i> , 1990, 295, 370-384.	0.9	131
16	Increased Matrix Metalloproteinase 9 Activity in Mild Cognitive Impairment. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 1309-1318.	0.9	130
17	The amyloid pathology progresses in a neurotransmitter-specific manner. <i>Neurobiology of Aging</i> , 2006, 27, 1644-1657.	1.5	129
18	Nerve growth factor metabolic dysfunction in Alzheimer's disease and Down syndrome. <i>Trends in Pharmacological Sciences</i> , 2014, 35, 338-348.	4.0	127

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19	Intracellular A $\beta$ -oligomers and early inflammation in a model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012, 33, 1329-1342.	1.5	126
20	Neuronal driven pre-plaque inflammation in a transgenic rat model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014, 35, 2249-2262.	1.5	123
21	Amyloid $\beta$ -Induced Nerve Growth Factor Dysmetabolism in Alzheimer Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009, 68, 857-869.	0.9	122
22	Early and Late CNS Inflammation in Alzheimer's Disease: Two Extremes of a Continuum?. <i>Trends in Pharmacological Sciences</i> , 2017, 38, 956-966.	4.0	119
23	Paradoxical Upregulation of Glutamatergic Presynaptic Boutons during Mild Cognitive Impairment. <i>Journal of Neuroscience</i> , 2007, 27, 10810-10817.	1.7	117
24	Cholinergic Involvement in Alzheimer's Disease. A Link with NGF Maturation and Degradation. <i>Journal of Molecular Neuroscience</i> , 2010, 40, 230-235.	1.1	111
25	Immunoreactivity for substance P in the gasserian ganglion, ophthalmic nerve and anterior segment of the rabbit eye. <i>The Histochemical Journal</i> , 1981, 13, 435-443.	0.6	106
26	Immunohistochemical demonstration of some putative neurotransmitters in the lamprey spinal cord and spinal ganglia: 5-hydroxytryptamine-, tachykinin-, and neuropeptide-Y-immunoreactive neurons and fibers. <i>Journal of Comparative Neurology</i> , 1985, 234, 501-522.	0.9	105
27	ADAM-10 over-expression increases cortical synaptogenesis. <i>Neurobiology of Aging</i> , 2008, 29, 554-565.	1.5	98
28	Altered synaptic function in Alzheimer's disease. <i>European Journal of Pharmacology</i> , 2006, 545, 11-21.	1.7	95
29	Immunocytochemical localization of substance P in the spinal trigeminal nucleus of the rat: A light and electron microscopic study. <i>Journal of Comparative Neurology</i> , 1982, 211, 31-49.	0.9	92
30	Minocycline corrects early, pre-plaque neuroinflammation and inhibits BACE-1 in a transgenic model of Alzheimer's disease-like amyloid pathology. <i>Journal of Neuroinflammation</i> , 2012, 9, 62.	3.1	89
31	Does a Pro-Inflammatory Process Precede Alzheimers Disease and Mild Cognitive Impairment?. <i>Current Alzheimer Research</i> , 2011, 8, 164-174.	0.7	88
32	Purkinje cells of adult rat cerebellum express nerve growth factor receptor immunoreactivity: light microscopic observations. <i>Brain Research</i> , 1988, 455, 182-186.	1.1	87
33	Long-Lasting Rescue of Age-Associated Deficits in Cognition and the CNS Cholinergic Phenotype by a Partial Agonist Peptidomimetic Ligand of TrkA. <i>Journal of Neuroscience</i> , 2004, 24, 8009-8018.	1.7	84
34	Intracellular A $\beta$ pathology and early cognitive impairments in a transgenic rat overexpressing human amyloid precursor protein: a multidimensional study. <i>Acta Neuropathologica Communications</i> , 2014, 2, 61.	2.4	84
35	Impact of the NGF Maturation and Degradation Pathway on the Cortical Cholinergic System Phenotype. <i>Journal of Neuroscience</i> , 2012, 32, 2002-2012.	1.7	83
36	5-Hydroxytryptamine, substance P, and thyrotropin-releasing hormone in the adult cat spinal cord segment L7: Immunohistochemical and chemical studies. <i>Synapse</i> , 1990, 6, 237-270.	0.6	79

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37	Precision pharmacology for Alzheimer's disease. <i>Pharmacological Research</i> , 2018, 130, 331-365.	3.1	79
38	Sex differences in functional and molecular neuroimaging biomarkers of Alzheimer's disease in cognitively normal older adults with subjective memory complaints. <i>Alzheimer's and Dementia</i> , 2018, 14, 1204-1215.	0.4	79
39	Substance P immunoreactive neurons following neonatal administration of capsaicin. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 1981, 315, 185-194.	1.4	78
40	A TrkA-selective, Fast Internalizing Nerve Growth Factor-Antibody Complex Induces Trophic but Not Neurotogenic Signals. <i>Journal of Biological Chemistry</i> , 1998, 273, 34933-34940.	1.6	78
41	NGF-Cholinergic Dependency in Brain Aging, MCI and Alzheimers Disease. <i>Current Alzheimer Research</i> , 2007, 4, 351-358.	0.7	78
42	Engagement of the PFC in consolidation and recall of recent spatial memory. <i>Learning and Memory</i> , 2010, 17, 297-305.	0.5	78
43	Nerve growth factor metabolic dysfunction in Down's syndrome brains. <i>Brain</i> , 2014, 137, 860-872.	3.7	75
44	An inflammatory and trophic disconnect biomarker profile revealed in Down syndrome plasma: Relation to cognitive decline and longitudinal evaluation. <i>Alzheimer's and Dementia</i> , 2016, 12, 1132-1148.	0.4	75
45	eIF2 $\pm$ controls memory consolidation via excitatory and somatostatin neurons. <i>Nature</i> , 2020, 586, 412-416.	13.7	74
46	The Brain NGF Metabolic Pathway in Health and in Alzheimer's Pathology. <i>Frontiers in Neuroscience</i> , 2019, 13, 62.	1.4	73
47	Intracellular A-Beta Amyloid, A Sign for Worse Things to Come?. <i>Molecular Neurobiology</i> , 2002, 26, 299-316.	1.9	72
48	Loss of Presynaptic and Postsynaptic Structures Is Accompanied by Compensatory Increase in Action Potential-Dependent Synaptic Input to Layer V Neocortical Pyramidal Neurons in Aged Rats. <i>Journal of Neuroscience</i> , 2000, 20, 8596-8606.	1.7	70
49	Rat transgenic models with a phenotype of intracellular A $\beta$ accumulation in hippocampus and cortex. <i>Journal of Alzheimer's Disease</i> , 2004, 6, 209-219.	1.2	70
50	Intracellular and Extracellular A $\beta$ , a Tale of Two Neuropathologies. <i>Brain Pathology</i> , 2005, 15, 66-71.	2.1	66
51	The Failure in NCF Maturation and its Increased Degradation as the Probable Cause for the Vulnerability of Cholinergic Neurons in Alzheimer's Disease. <i>Neurochemical Research</i> , 2007, 32, 1041-1045.	1.6	66
52	Differential deregulation of NGF and BDNF neurotrophins in a transgenic rat model of Alzheimer's disease. <i>Neurobiology of Disease</i> , 2017, 108, 307-323.	2.1	66
53	Evidence of intraneuronal A $\beta$ accumulation preceding tau pathology in the entorhinal cortex. <i>Acta Neuropathologica</i> , 2018, 136, 901-917.	3.9	65
54	Early intraneuronal amyloid triggers neuron-derived inflammatory signaling in APP transgenic rats and human brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 6844-6854.	3.3	62

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55	Longitudinal analysis of the behavioral phenotype in a novel transgenic rat model of early stages of Alzheimer's disease. <i>Frontiers in Behavioral Neuroscience</i> , 2014, 8, 321.	1.0	61
56	Connecting the "Dots": From Free Radical Lipid Autoxidation to Cell Pathology and Disease. <i>Chemical Reviews</i> , 2020, 120, 12757-12787.	23.0	61
57	Evolution of neuroinflammation across the lifespan of individuals with Down syndrome. <i>Brain</i> , 2020, 143, 3653-3671.	3.7	59
58	NLRP3-dependent synaptic plasticity deficit in an Alzheimer's disease amyloidosis model in vivo. <i>Neurobiology of Disease</i> , 2018, 114, 24-30.	2.1	58
59	A $\beta$ -induced vulnerability propagates via the brain's default mode network. <i>Nature Communications</i> , 2019, 10, 2353.	5.8	58
60	The NGF Metabolic Pathway in the CNS and its Dysregulation in Down Syndrome and Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2015, 13, 53-67.	0.7	57
61	A Progressive Deposition of Paired Helical Filaments (PHF) in the Brain Characterizes the Evolution of Dementia in Alzheimer's Disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 1991, 50, 474-490.	0.9	56
62	A $\beta$ Immunoreactive Material Is Present in Several Intracellular Compartments in Transfected, Neuronally Differentiated, P19 Cells Expressing the Human Amyloid A $\beta$ -Protein Precursor. <i>Journal of Alzheimer's Disease</i> , 2000, 2, 207-222.	1.2	56
63	Peripheral nerve injury leads to the establishment of a novel pattern of sympathetic fibre innervation in the rat skin. , 2000, 422, 287-296.		56
64	Glycosphingolipids that Can Regulate Nerve Growth and Repair. <i>Advances in Pharmacology</i> , 1990, 21, 1-50.	1.2	55
65	Analysis of Matrix Metallo-Proteases and the Plasminogen System in Mild Cognitive Impairment and Alzheimer's Disease Cerebrospinal Fluid. <i>Journal of Alzheimer's Disease</i> , 2014, 40, 667-678.	1.2	55
66	Tau Function and Dysfunction in Neurons. <i>Molecular Neurobiology</i> , 2002, 25, 213-232.	1.9	54
67	Reimagining cholinergic therapy for Alzheimer's disease. <i>Brain</i> , 2022, 145, 2250-2275.	3.7	50
68	Rescue of Early bace-1 and Global DNA Demethylation by S-Adenosylmethionine Reduces Amyloid Pathology and Improves Cognition in an Alzheimer's Model. <i>Scientific Reports</i> , 2016, 6, 34051.	1.6	49
69	Aging Causes a Preferential Loss of Cholinergic Innervation of Characterized Neocortical Pyramidal Neurons. <i>Cerebral Cortex</i> , 2002, 12, 329-337.	1.6	48
70	Ectopic Substance P and Calcitonin Gene-related Peptide Immunoreactive Fibres in the Spinal Cord of Transgenic Mice Over-expressing Nerve Growth Factor. <i>European Journal of Neuroscience</i> , 1995, 7, 2021-2035.	1.2	47
71	Early-Stage Inflammation and Experimental Therapy in Transgenic Models of the Alzheimer-Like Amyloid Pathology. <i>Neurodegenerative Diseases</i> , 2010, 7, 96-98.	0.8	47
72	Neurotransmitter-specific projection neurons revealed by combining PAP immunohistochemistry with retrograde transport of HRP. <i>Brain Research</i> , 1981, 220, 231-240.	1.1	46

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73	Mitochondrial abnormalities in neuroectodermal cells stably expressing human amyloid precursor protein (hAPP751). <i>NeuroReport</i> , 1999, 10, 41-46.	0.6	45
74	Skin blood vessels are simultaneously innervated by sensory, sympathetic, and parasympathetic fibers. <i>Journal of Comparative Neurology</i> , 2002, 448, 323-336.	0.9	45
75	Therapeutic benefits of the methyl donor S-adenosylmethionine on nerve injury-induced mechanical hypersensitivity and cognitive impairment in mice. <i>Pain</i> , 2017, 158, 802-810.	2.0	45
76	Association of cerebrospinal fluid $\tau$ and $\text{p-tau}^{181}$ protein concentrations and brain amyloid load in cognitively normal subjective memory complainers stratified by Alzheimer's disease biomarkers. <i>Alzheimer's and Dementia</i> , 2018, 14, 1623-1631.	0.4	45
77	Multimodal Imaging in Rat Model Recapitulates Alzheimer's Disease Biomarkers Abnormalities. <i>Journal of Neuroscience</i> , 2017, 37, 12263-12271.	1.7	44
78	Loss of substance P and Enkephalin immunoreactivity in the human substantia nigra after striato-pallidal infarction. <i>Brain Research</i> , 1984, 292, 339-347.	1.1	43
79	Chapter 33 Effects of trophic factors on the CNS cholinergic phenotype. <i>Progress in Brain Research</i> , 1996, 109, 347-358.	0.9	43
80	Transgenic Mice as a Model of Pre-Clinical Alzheimers Disease. <i>Current Alzheimer Research</i> , 2011, 8, 4-23.	0.7	42
81	Serotonin-containing projections to the thalamus in the rat revealed by a horseradish peroxidase and peroxidase antiperoxidase double-staining technique. <i>Brain Research</i> , 1984, 322, 233-243.	1.1	40
82	Early dysregulation of hippocampal proteins in transgenic rats with Alzheimer's disease-linked mutations in amyloid precursor protein and presenilin 1. <i>Molecular Brain Research</i> , 2004, 132, 241-259.	2.5	40
83	Synaptosomal bioenergetic defects are associated with cognitive impairment in a transgenic rat model of early Alzheimer's disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 69-84.	2.4	40
84	The human brain NGF metabolic pathway is impaired in the pre-clinical and clinical continuum of Alzheimers disease. <i>Molecular Psychiatry</i> , 2021, 26, 6023-6037.	4.1	40
85	Glutamate-like immunoreactivity in medulla oblongata catecholamine/substance P neurons. <i>NeuroReport</i> , 1990, 1, 235-238.	0.6	39
86	Intraneuronal Amyloid Beta Accumulation Disrupts Hippocampal CRTC1-Dependent Gene Expression and Cognitive Function in a Rat Model of Alzheimer Disease. <i>Cerebral Cortex</i> , 2016, 27, 1501-1511.	1.6	39
87	AF710B, an M1/ $\sigma_1$ receptor agonist with long-lasting disease-modifying properties in a transgenic rat model of Alzheimer's disease. <i>Alzheimer's and Dementia</i> , 2018, 14, 811-823.	0.4	39
88	Cognitive impairment and transmitter-specific pre- and postsynaptic changes in the rat cerebral cortex during ageing. <i>European Journal of Neuroscience</i> , 2007, 26, 3583-3596.	1.2	38
89	MicroPET imaging and transgenic models: a blueprint for Alzheimer's disease clinical research. <i>Trends in Neurosciences</i> , 2014, 37, 629-641.	4.2	38
90	Imbalance towards inhibition as a substrate of aging-associated cognitive impairment. <i>Neuroscience Letters</i> , 2006, 397, 64-68.	1.0	35

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91	Perturbed mitochondria-ER contacts in live neurons modelling Alzheimer's disease amyloid pathology. <i>Journal of Cell Science</i> , 2019, 132, .	1.2	35
92	Derivatives of ganglioside GM1 as neuronotrophic agents: comparison of in vivo and in vitro effects. <i>Brain Research</i> , 1990, 513, 286-294.	1.1	34
93	BACE1 inhibition by microdose lithium formulation NPO3 rescues memory loss and early stage amyloid neuropathology. <i>Translational Psychiatry</i> , 2017, 7, e1190-e1190.	2.4	33
94	NPO3, a Microdose Lithium Formulation, Blunts Early Amyloid Post-Plaque Neuropathology in McGill-R-Thy1-APP Alzheimer-Like Transgenic Rats. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 723-739.	1.2	33
95	Chapter 32: Trophic responses of forebrain cholinergic neurons: a discussion. <i>Progress in Brain Research</i> , 1993, 98, 265-277.	0.9	32
96	Longitudinal testing of hippocampal plasticity reveals the onset and maintenance of endogenous human A $\beta$ -induced synaptic dysfunction in individual freely behaving pre-plaque transgenic rats: rapid reversal by anti-A $\beta$ agents. <i>Acta Neuropathologica Communications</i> , 2014, 2, 175.	2.4	32
97	Identification and Preliminary Validation of a Plasma Profile Associated with Cognitive Decline in Dementia and At-Risk Individuals: A Retrospective Cohort Analysis. <i>Journal of Alzheimer's Disease</i> , 2019, 67, 327-341.	1.2	32
98	Trigeminal antidromic vasodilation and plasma extravasation in the rat: Effects of sensory, autonomic and motor denervation. <i>Brain Research</i> , 1985, 346, 108-114.	1.1	31
99	Effects of nerve growth factor on cortical and striatal acetylcholine and dopamine release in rats with cortical devascularizing lesions. <i>Brain Research</i> , 1992, 577, 300-305.	1.1	31
100	Acidic FGF induces NGF and its mRNA in the injured neocortex of adult animals. <i>Molecular Brain Research</i> , 1995, 33, 1-6.	2.5	30
101	Worsening of memory deficit induced by energy-dense diet in a rat model of early-Alzheimer's disease is associated to neurotoxic A $\beta$ <sup>2</sup> species and independent of neuroinflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017, 1863, 731-743.	1.8	28
102	Amyloid-beta modulates the association between neurofilament light chain and brain atrophy in Alzheimer's disease. <i>Molecular Psychiatry</i> , 2021, 26, 5989-6001.	4.1	28
103	Hippocampal hyperactivity in a rat model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2021, 157, 2128-2144.	2.1	28
104	Light and electron microscopic study of the distribution of substance P-immunoreactive fibers and neurokinin-1 receptors in the skin of the rat lower lip. <i>Journal of Comparative Neurology</i> , 2001, 432, 466-480.	0.9	27
105	Parasympathetic nerve fibers invade the upper dermis following sensory denervation of the rat lower lip skin. <i>Journal of Comparative Neurology</i> , 2004, 469, 83-95.	0.9	27
106	Compromise of cortical proNGF maturation causes selective retrograde atrophy in cholinergic nucleus basalis neurons. <i>Neurobiology of Aging</i> , 2018, 67, 10-20.	1.5	27
107	Future avenues for Alzheimer's disease detection and therapy: liquid biopsy, intracellular signaling modulation, systems pharmacology drug discovery. <i>Neuropharmacology</i> , 2021, 185, 108081.	2.0	27
108	Targeting glutamatergic and cellular prion protein mechanisms of amyloid $\beta$ -mediated persistent synaptic plasticity disruption: Longitudinal studies. <i>Neuropharmacology</i> , 2017, 121, 231-246.	2.0	26

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109	Uptake of [3H]dopamine in periglomerular cells of the rat olfactory bulb: an autoradiographic study. <i>Brain Research</i> , 1979, 165, 149-155.	1.1	24
110	Effects of coencapsulated NGF and GM1 in rats with cortical lesions. <i>NeuroReport</i> , 1993, 4, 971-974.	0.6	24
111	A Link Between Nerve Growth Factor Metabolic Deregulation and Amyloid- $\beta^2$ -Driven Inflammation in Down Syndrome. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016, 15, 434-447.	0.8	24
112	Correlation of cognitive performance and morphological changes in neocortical pyramidal neurons in aging. <i>Neurobiology of Aging</i> , 2012, 33, 1466-1480.	1.5	23
113	Neocortical infarction in subhuman primates leads to restricted morphological damage of the cholinergic neurons in the nucleus basalis of Meynert. <i>Brain Research</i> , 1994, 648, 1-8.	1.1	22
114	Chapter 3 Organization of peptidergic neurons in the dorsal horn of the spinal cord: anatomical and functional correlates. <i>Progress in Brain Research</i> , 1995, 104, 41-59.	0.9	22
115	Ultrastructural and neurochemical analysis of synaptic input to trigemino-thalamic projection neurones in lamina I of the rat: A combined immunocytochemical and retrograde labelling study. <i>Journal of Comparative Neurology</i> , 1989, 285, 467-486.	0.9	21
116	MK-801 affects the potassium-induced increase of glial fibrillary acidic protein immunoreactivity in rat brain. <i>Brain Research</i> , 1992, 598, 286-293.	1.1	21
117	Hippocampal Proteomic Analysis Reveals Distinct Pathway Deregulation Profiles at Early and Late Stages in a Rat Model of Alzheimer's-Like Amyloid Pathology. <i>Molecular Neurobiology</i> , 2018, 55, 3451-3476.	1.9	21
118	IMMUNOCYTOCHEMISTRY AND NEUROBIOLOGY. <i>Quarterly Journal of Experimental Physiology</i> (Cambridge, England), 1983, 68, 545-578.	1.0	20
119	Immunoelectron microscopic evidence of nerve growth factor receptor metabolism and internalization in rat nucleus basalis neurons. <i>Brain Research</i> , 1990, 527, 109-115.	1.1	19
120	New Patterns of Intraneuronal Accumulation of the Microtubular Binding Domain of tau in Granulovacuolar Degeneration. <i>Topics in Geriatrics</i> , 1992, 5, 132-141.	0.9	19
121	Chapter 27 Trophic factor therapy in the adult CNS: remodelling of injured basalo-cortical neurons. <i>Progress in Brain Research</i> , 1994, 100, 213-221.	0.9	19
122	Changes with aging in the dopaminergic and noradrenergic innervation of rat neocortex. <i>Neurobiology of Aging</i> , 2011, 32, 2244-2253.	1.5	19
123	The Multi-Target Drug M30 Shows Pro-Cognitive and Anti-Inflammatory Effects in a Rat Model of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 373-383.	1.2	19
124	Effects of microencapsulated monosialoganglioside GM1 on cholinergic neurons. <i>Brain Research</i> , 1989, 496, 165-172.	1.1	18
125	Similarities in the ultrastructural distribution of nerve growth factor receptor-like immunoreactivity in cerebellar Purkinje cells of the neonatal and colchicine-treated adult rat. <i>Journal of Comparative Neurology</i> , 1991, 305, 189-200.	0.9	18
126	Microdose Lithium NPO3 Diminishes Pre-Plaque Oxidative Damage and Neuroinflammation in a Rat Model of Alzheimer's-like Amyloidosis. <i>Current Alzheimer Research</i> , 2018, 15, 1220-1230.	0.7	18



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127	Recovery of nucleus basalis cholinergic neurons by grafting NGF secretor fibroblasts. <i>NeuroReport</i> , 1992, 3, 353-356.	0.6	17
128	Intraventricular application of BDNF and NT-3 failed to protect nucleus basalis magnocellularis cholinergic neurones. <i>NeuroReport</i> , 1994, 5, 1105-1109.	0.6	17
129	Cortical peroxynitration of nerve growth factor in aged and cognitively impaired rats. <i>Neurobiology of Aging</i> , 2012, 33, 1927-1937.	1.5	17
130	Nerve growth factor (NGF) pathway biomarkers in Down syndrome prior to and after the onset of clinical Alzheimer's disease: A paired CSF and plasma study. <i>Alzheimer's and Dementia</i> , 2021, 17, 605-617.	0.4	17
131	Blood-based systems biology biomarkers for next-generation clinical trials in Alzheimer's disease. <i>Dialogues in Clinical Neuroscience</i> , 2019, 21, 177-191.	1.8	17
132	The Nerve Growth Factor Metabolic Pathway Dysregulation as Cause of Alzheimer's Cholinergic Atrophy. <i>Cells</i> , 2022, 11, 16.	1.8	17
133	A new role for matrix metalloproteinase-3 in the NGF metabolic pathway: Proteolysis of mature NGF and sex-specific differences in the continuum of Alzheimer's pathology. <i>Neurobiology of Disease</i> , 2021, 148, 105150.	2.1	16
134	Searching for new pharmacological targets for the treatment of Alzheimer's disease in Down syndrome. <i>European Journal of Pharmacology</i> , 2017, 817, 7-19.	1.7	15
135	Storage and Release of Amines, Amino Acids and Peptides from Dendrites. <i>Progress in Brain Research</i> , 1982, 55, 205-224.	0.9	14
136	Preplaque (Preclinical) A $\beta$ -Induced Inflammation and Nerve Growth Factor Deregulation in Transgenic Models of Alzheimer's Disease-Like Amyloid Pathology. <i>Neurodegenerative Diseases</i> , 2012, 10, 104-107.	0.8	14
137	Neuropathological changes and cognitive deficits in rats transgenic for human mutant tau recapitulate human tauopathy. <i>Neurobiology of Disease</i> , 2019, 127, 323-338.	2.1	14
138	Localization of Substance P in Neuronal Pathways. <i>Novartis Foundation Symposium</i> , 1982, , 55-83.	1.2	14
139	Hemicholinium mustard derivatives: Preliminary assesment of cholinergic neurotoxicity. <i>Neurochemical Research</i> , 1986, 11, 1091-1102.	1.6	13
140	Chapter 26 Cooperative effects of gangliosides on trophic factor-induced neuronal cell recovery and synaptogenesis: studies in rodents and subhuman primates. <i>Progress in Brain Research</i> , 1994, 101, 337-355.	0.9	13
141	Preparation and Characterization of New Anti-PSMA Monoclonal Antibodies with Potential Clinical Use. <i>Hybridoma</i> , 2007, 26, 363-372.	0.5	13
142	Evidence for the accumulation of Abeta immunoreactive material in the human brain and in transgenic animal models. <i>Life Sciences</i> , 2012, 91, 1141-1147.	2.0	13
143	Inhibition of Endogenous NGF Degradation Induces Mechanical Allodynia and Thermal Hyperalgesia in Rats. <i>Molecular Pain</i> , 2013, 9, 1744-8069-9-37.	1.0	13
144	Experimental Pharmacology in Transgenic Rodent Models of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2019, 10, 189.	1.6	13

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145	Trigeminal antidromic vasodilatation and plasma extravasation in the rat: effects of acetylcholine antagonists and cholinesterase inhibitors. <i>British Journal of Pharmacology</i> , 1985, 84, 637-643.	2.7	12
146	TrkA antagonists decrease NGF-induced ChAT activity in vitro and modulate cholinergic synaptic number in vivo. <i>Journal of Physiology (Paris)</i> , 1998, 92, 205-208.	2.1	12
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