

A Claudio Cuello

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.

194
papers

8,728
citations

48
h-index

88
g-index

213
ext. papers

9,945
ext. citations

6.7
avg, IF

6.17
L-index

#	Paper	IF	Citations
194	Reimagining cholinergic therapy for Alzheimer's disease.. <i>Brain</i> , 2022 ,	11.2	4
193	Hippocampal hyperactivity in a rat model of Alzheimer's disease. <i>Journal of Neurochemistry</i> , 2021 , 157, 2128-2144	6	5
192	Cognitive and brain cytokine profile of non-demented individuals with cerebral amyloid-beta deposition. <i>Journal of Neuroinflammation</i> , 2021 , 18, 147	10.1	1
191	Future avenues for Alzheimer's disease detection and therapy: liquid biopsy, intracellular signaling modulation, systems pharmacology drug discovery. <i>Neuropharmacology</i> , 2021 , 185, 108081	5.5	12
190	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 ^{1.2}	1.2	8
189	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	7.5	6
188	Preclinical longitudinal assessment of KG207-M as a disease-modifying Alzheimer's disease therapeutic. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021 , 271678X211035625	7.3	1
187	Nerve Growth Factor Compromise in Down Syndrome. <i>Frontiers in Aging Neuroscience</i> , 2021 , 13, 719507	5.3	
186	Rita Levi-Montalcini, NGF Metabolism in Health and in the Alzheimer's Pathology. <i>Advances in Experimental Medicine and Biology</i> , 2021 , 1331, 119-144	3.6	1
185	The human brain NGF metabolic pathway is impaired in the pre-clinical and clinical continuum of Alzheimers disease. <i>Molecular Psychiatry</i> , 2020 ,	15.1	15
184	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	11.5	33
183	Amyloid-beta modulates the association between neurofilament light chain and brain atrophy in Alzheimer's disease. <i>Molecular Psychiatry</i> , 2020 ,	15.1	8
182	Ted Sourkes, Moussa Youdim and I. <i>Journal of Neural Transmission</i> , 2020 , 127, 119-123	4.3	
181	NP03, 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	4.3	16
180	eIF2 ϵ controls memory consolidation via excitatory and somatostatin neurons. <i>Nature</i> , 2020 , 586, 412-416 ^{5.0.4}	50.4	15
179	Connecting the "Dots": From Free Radical Lipid Autoxidation to Cell Pathology and Disease. <i>Chemical Reviews</i> , 2020 , 120, 12757-12787	68.1	18
178	Evolution of neuroinflammation across the lifespan of individuals with Down syndrome. <i>Brain</i> , 2020 , 143, 3653-3671	11.2	20

177	A Path Toward Precision Medicine for Neuroinflammatory Mechanisms in Alzheimer's Disease. <i>Frontiers in Immunology</i> , 2020 , 11, 456	8.4	87
176	Early Long-Term Memory Impairment and Changes in the Expression of Synaptic Plasticity-Associated Genes, in the McGill-R-Thy1-APP Rat Model of Alzheimer's-Like Brain Amyloidosis. <i>Frontiers in Aging Neuroscience</i> , 2020 , 12, 585873	5.3	2
175	Perturbed mitochondria-ER contacts in live neurons that model the amyloid pathology of Alzheimer's disease. <i>Journal of Cell Science</i> , 2019 , 132,	5.3	22
174	The Brain NGF Metabolic Pathway in Health and in Alzheimer's Pathology. <i>Frontiers in Neuroscience</i> , 2019 , 13, 62	5.1	42
173	A β Induced vulnerability propagates via the brain's default mode network. <i>Nature Communications</i> , 2019 , 10, 2353	17.4	39
172	Experimental Pharmacology in Transgenic Rodent Models of Alzheimer's Disease. <i>Frontiers in Pharmacology</i> , 2019 , 10, 189	5.6	7
171	Neuropathological changes and cognitive deficits in rats transgenic for human mutant tau recapitulate human tauopathy. <i>Neurobiology of Disease</i> , 2019 , 127, 323-338	7.5	6
170	Blood-based systems biology biomarkers for next-generation clinical trials in Alzheimer's disease?. <i>Dialogues in Clinical Neuroscience</i> , 2019 , 21, 177-191	5.7	13
169	Effect of antioxidant supplements on lipid peroxidation levels in primary cortical neuron cultures. <i>Free Radical Biology and Medicine</i> , 2019 , 130, 471-477	7.8	8
168	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	4.3	20
167	Platelets Bioenergetics Screening Reflects the Impact of Brain A β Plaque Accumulation in a Rat Model of Alzheimer. <i>Neurochemical Research</i> , 2019 , 44, 1375-1386	4.6	5
166	NLRP3-dependent synaptic plasticity deficit in an Alzheimer's disease amyloidosis model in vivo. <i>Neurobiology of Disease</i> , 2018 , 114, 24-30	7.5	42
165	Precision pharmacology for Alzheimer's disease. <i>Pharmacological Research</i> , 2018 , 130, 331-365	10.2	60
164	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	1.2	26
163	Compromise of cortical proNGF maturation causes selective retrograde atrophy in cholinergic nucleus basalis neurons. <i>Neurobiology of Aging</i> , 2018 , 67, 10-20	5.6	19
162	Chronic Hippocampal Expression of Notch Intracellular Domain Induces Vascular Thickening, Reduces Glucose Availability, and Exacerbates Spatial Memory Deficits in a Rat Model of Early Alzheimer. <i>Molecular Neurobiology</i> , 2018 , 55, 8637-8650	6.2	11
161	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	6.2	13
160	Association of cerebrospinal fluid β synuclein with total and phospho-tau 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	1.2	30

159	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	1.2	40
158	P3-338: AMYLOID AND MICROGLIAL ACTIVATION SYNERGY LEADS TO HYPOMETABOLISM IN AD BRAIN: MICROPET LONGITUDINAL STUDY 2018 , 14, P1211-P1212		
157	P2-187: BUILDUP OF INTRACELLULAR A β ELICITS NEURONAL INFLAMMATION, INDEPENDENT OF PLAQUE PATHOLOGY 2018 , 14, P740-P741		
156	P2-189: CHRONOLOGICAL CORRELATION BETWEEN LSD1, A β AMYLOID AND PRO-INFLAMMATORY MARKERS WITH COGNITIVE PERFORMANCE IN AN AD-LIKE TRANSGENIC RAT MODEL 2018 , 14, P741-P741		
155	P3-153: VALIDATING LXRS/ABCA1/APOE AXIS INTERVENTION AS A POTENTIAL THERAPEUTIC TAGET TO PREVENT AMYLOID BETA CLEARANCE IMBALANCE 2018 , 14, P1126-P1127		
154	P3-093: VIRAL VECTOR-MEDIATED OVEREXPRESSION OF HUMAN TAU IN THE RAT LOCUS COERULEUS: TAU LONG-TERM EXPRESSION AND PATHOLOGICAL CHANGES 2018 , 14, P1101-P1101		
153	P3-094: A NOVEL TRANSGENIC RAT MODEL OF TAUOPATHY WITH SEVERE BRAIN ATROPHY, GLIOSIS AND COGNITIVE DEFICITS 2018 , 14, P1101-P1102		
152	Microdose Lithium NP03 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	3	9
151	Evidence of intraneuronal A β accumulation preceding tau pathology in the entorhinal cortex. <i>Acta Neuropathologica</i> , 2018 , 136, 901-917	14.3	36
150	The cholinergic system in the pathophysiology and treatment of Alzheimer's disease. <i>Brain</i> , 2018 , 141, 1917-1933	11.2	492
149	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	7.3	34
148	Targeting glutamatergic and cellular prion protein mechanisms of amyloid A β mediated persistent synaptic plasticity disruption: Longitudinal studies. <i>Neuropharmacology</i> , 2017 , 121, 231-246	5.5	18
147	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	8	25
146	Worsening of memory deficit induced by energy-dense diet in a rat model of early-Alzheimer's disease is associated to neurotoxic A β species and independent of neuroinflammation. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2017 , 1863, 731-743	6.9	22
145	[P4035]: AMYLOID A β DRIVEN DNA DEMETHYLATION AS A TARGET FOR ALZHEIMER'S DISEASE 2017 , 13, P1269-P1270		
144	[P3159]: INTRANASAL INTERVENTION OF THE LXRS-APOE-MICROGLIA AXIS TO IMPROVE BRAIN BETA-AMYLOID CLEARANCE IN A TRANSGENIC MOUSE MODEL OF AD 2017 , 13, P995-P995		
143	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	5.3	10
142	[P1001]: REST HIPPOCAMPAL AND CORTICAL LEVELS CORRELATE WITH COGNITIVE PERFORMANCE IN A RAT MODEL OF EARLY ALZHEIMER'S DISEASE 2017 , 13, P319-P319		

141	[P1009]: NGF AND BDNF DYSMETABOLISM IN A TRANSGENIC RAT MODEL OF ALZHEIMER'S DISEASE 2017 , 13, P322-P323		
140	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	7.5	46
139	Intraneuronal Amyloid Beta Accumulation Disrupts Hippocampal CRT1-Dependent Gene Expression and Cognitive Function in a Rat Model of Alzheimer Disease. <i>Cerebral Cortex</i> , 2017 , 27, 1501-1511	5.1	33
138	Early and Late CNS Inflammation in Alzheimer's Disease: Two Extremes of a Continuum?. <i>Trends in Pharmacological Sciences</i> , 2017 , 38, 956-966	13.2	93
137	BACE1 inhibition by microdose lithium formulation NP03 rescues memory loss and early stage amyloid neuropathology. <i>Translational Psychiatry</i> , 2017 , 7, e1190	8.6	24
136	Multimodal Imaging in Rat Model Recapitulates Alzheimer's Disease Biomarkers Abnormalities. <i>Journal of Neuroscience</i> , 2017 , 37, 12263-12271	6.6	28
135	[P1001]: IDENTIFYING THE NEURONAL ABMMUNOPOSITIVE POOL WITHIN THE HUMAN HIPPOCAMPUS 2017 , 13, P231		
134	[P3029]: EARLY AND LATE NEUROINFLAMMATORY EVENTS AS ALZHEIMER'S DISEASE PATHOLOGY EVOLVES IN DOWN SYNDROME INDIVIDUALS 2017 , 13, P984-P984		
133	[P1011]: IMPAIRED REVERSAL OF HIPPOCAMPAL LONG-TERM POTENTIATION IN APP-OVEREXPRESSING RATS IN VIVO 2017 , 13, P283-P283		
132	[IC-P-048]: ELEVATED CSF LEVELS OF NEUROFILAMENT LIGHT CHAIN IS ASSOCIATED WITH GRAY MATTER NEURODEGENERATION IN BOTH HUMANS AND TRANSGENIC RAT MODEL OF ALZHEIMER'S DISEASE 2017 , 13, P41-P41		
131	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	4.9	31
130	The NGF Metabolic Pathway in the CNS and its Dysregulation in Down Syndrome and Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2016 , 13, 53-67	3	43
129	A Link Between Nerve Growth Factor Metabolic Deregulation and Amyloid-Driven Inflammation in Down Syndrome. <i>CNS and Neurological Disorders - Drug Targets</i> , 2016 , 15, 434-47	2.6	20
128	P3-046: NP03 Inhibits Bace1 and GSK-3B for the Prevention of Early Alzheimer's-Like Amyloid Neuropathology in Transgenic Rats 2016 , 12, P834-P834		1
127	IC-P-027: Amyloid-Induced Microglial Activity in Thalamocortical Circuits Predicts Subsequent Cognitive Decline 2016 , 12, P28-P29		
126	P1-101: Amyloid-Beta 1-42 (A β -42) Levels in the Cerebrospinal Fluid Associate With Spatial Memory Performance in Aged But Not in Adult Mcgill-R-THY1-APP Rats 2016 , 12, P440-P440		
125	IC-P-099: Synergism Between Brain Amyloid Accumulation and Neuronal Injury in Cortical-Subcortical Circuits Causes Memory Declines in Animal Models 2016 , 12, P75-P76		
124	IC-P-101: Synergism Between Baseline Amyloidosis and Neuronal Injury as Determinants of Learning Deficits in AD Transgenic Rat Model 2016 , 12, P77-P77		

123	P3-221: Synergism Between Baseline Amyloidosis and Neuronal Injury as Determinants of Learning Deficits in Alzheimer's Disease Transgenic Rat Model 2016 , 12, P910-P910		
122	P4-013: Pro-Cognitive and Anti-Inflammatory Effects of Af710B, a Mixed M1 Muscarinic/Sigma-1 Receptor Agonist, in the Mcgill-R-Thy1-App Rat Model of Human Ad-Like Amyloid Pathology 2016 , 12, P1019-P1019		0
121	O2-02-01: Dna Demethylation and Remethylation in Alzheimer's Pathology 2016 , 12, P223-P224		
120	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 ^{1,2}		62
119	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, 373-83	4-3	18
118	IC-P-027: Dynamics of longitudinal biomarker changes in the Mcgill-R-Thy1-APP RAT 2015 , 11, P27-P28		
117	Theodore Lionel Sourkes obituary. <i>Movement Disorders</i> , 2015 , 30, 446-7	7	1
116	IC-P-026: Amyloidosis induces reorganization of the hippocampal metabolic network 2015 , 11, P27-P27		
115	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, 667-78	4-3	43
114	MicroPET imaging and transgenic models: a blueprint for Alzheimer's disease clinical research. <i>Trends in Neurosciences</i> , 2014 , 37, 629-41	13-3	32
113	Nerve growth factor metabolic dysfunction in Alzheimer's disease and Down syndrome. <i>Trends in Pharmacological Sciences</i> , 2014 , 35, 338-48	13-2	100
112	Nerve growth factor metabolic dysfunction in Down's syndrome brains. <i>Brain</i> , 2014 , 137, 860-72	11-2	59
111	Neuronal driven pre-plaque inflammation in a transgenic rat model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2014 , 35, 2249-62	5-6	100
110	IC-P-048: LONGITUDINAL FOLLOW-UP OF AMYLOIDOSIS AND GLUCOSE HYPOMETABOLISM IN A TRANSGENIC RAT MODEL OF ALZHEIMER'S DISEASE 2014 , 10, P28-P29		
109	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	3-5	45
108	Longitudinal testing of hippocampal plasticity reveals the onset and maintenance of endogenous human A β -induced synaptic dysfunction in individual freely behaving pre-plaque transgenic rats: rapid reversal by anti-A β agents. <i>Acta Neuropathologica Communications</i> , 2014 , 2, 175	7-3	24
107	P4-222: NEW FORMULATION OF LITHIUM IMPROVES COGNITIVE PERFORMANCE IN EARLY STAGES OF ALZHEIMER-LIKE AMYLOID PATHOLOGY IN TRANSGENIC RATS 2014 , 10, P869-P869		
106	Intracellular A β 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	7-3	62

105	Inhibition of endogenous NGF degradation induces mechanical allodynia and thermal hyperalgesia in rats. <i>Molecular Pain</i> , 2013 , 9, 37	3.4	10
104	Modeling Alzheimer's disease in transgenic rats. <i>Molecular Neurodegeneration</i> , 2013 , 8, 37	19	103
103	Correlation of cognitive performance and morphological changes in neocortical pyramidal neurons in aging. <i>Neurobiology of Aging</i> , 2012 , 33, 1466-80	5.6	20
102	Intracellular A β oligomers and early inflammation in a model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2012 , 33, 1329-42	5.6	105
101	Cortical peroxynitration of nerve growth factor in aged and cognitively impaired rats. <i>Neurobiology of Aging</i> , 2012 , 33, 1927-37	5.6	14
100	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	10.1	73
99	Evidence for the accumulation of A β immunoreactive material in the human brain and in transgenic animal models. <i>Life Sciences</i> , 2012 , 91, 1141-7	6.8	11
98	Preplaque ('preclinical') A β -induced inflammation and nerve growth factor deregulation in transgenic models of Alzheimer's disease-like amyloid pathology. <i>Neurodegenerative Diseases</i> , 2012 , 10, 104-7	2.3	12
97	Impact of the NGF maturation and degradation pathway on the cortical cholinergic system phenotype. <i>Journal of Neuroscience</i> , 2012 , 32, 2002-12	6.6	62
96	Gangliosides, NGF, brain aging and disease: a mini-review with personal reflections. <i>Neurochemical Research</i> , 2012 , 37, 1256-60	4.6	7
95	Changes with aging in the dopaminergic and noradrenergic innervation of rat neocortex. <i>Neurobiology of Aging</i> , 2011 , 32, 2244-53	5.6	17
94	Transgenic mice as a model of pre-clinical Alzheimer's disease. <i>Current Alzheimer Research</i> , 2011 , 8, 4-23	3	38
93	Does a pro-inflammatory process precede Alzheimer's disease and mild cognitive impairment?. <i>Current Alzheimer Research</i> , 2011 , 8, 164-74	3	77
92	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, 113-26	4.3	142
91	Engagement of the PFC in consolidation and recall of recent spatial memory. <i>Learning and Memory</i> , 2010 , 17, 297-305	2.8	70
90	Early-stage inflammation and experimental therapy in transgenic models of the Alzheimer-like amyloid pathology. <i>Neurodegenerative Diseases</i> , 2010 , 7, 96-8	2.3	43
89	Cholinergic involvement in Alzheimer's disease. A link with NGF maturation and degradation. <i>Journal of Molecular Neuroscience</i> , 2010 , 40, 230-5	3.3	90
88	Increased matrix metalloproteinase 9 activity in mild cognitive impairment. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009 , 68, 1309-18	3.1	110

87	Amyloid beta-induced nerve growth factor dysmetabolism in Alzheimer disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2009 , 68, 857-69	3.1	98
86	ADAM-10 over-expression increases cortical synaptogenesis. <i>Neurobiology of Aging</i> , 2008 , 29, 554-65	5.6	89
85	Impact of intracellular beta-amyloid in transgenic animals and cell models. <i>Neurodegenerative Diseases</i> , 2008 , 5, 146-8	2.3	9
84	Evidence That Amyloid Pathology Progresses in a Neurotransmitter-Specific Manner 2008 , 393-401		
83	Cognitive impairment and transmitter-specific pre- and postsynaptic changes in the rat cerebral cortex during ageing. <i>European Journal of Neuroscience</i> , 2007 , 26, 3583-96	3.5	32
82	The failure in NGF 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, 1041-5	4.6	58
81	Paradoxical upregulation of glutamatergic presynaptic boutons during mild cognitive impairment. <i>Journal of Neuroscience</i> , 2007 , 27, 10810-7	6.6	91
80	NGF-cholinergic dependency in brain aging, MCI and Alzheimer's disease. <i>Current Alzheimer Research</i> , 2007 , 4, 351-8	3	64
79	Preparation and characterization of new anti-PSMA monoclonal antibodies with potential clinical use. <i>Hybridoma</i> , 2007 , 26, 363-72		10
78	Pharmacological Mechanisms in Alzheimer's Therapeutics 2007 ,		1
77	Overview of the Alzheimer's Disease Pathology and Potential Therapeutic Targets 2007 , 1-27		2
76	Altered synaptic function in Alzheimer's disease. <i>European Journal of Pharmacology</i> , 2006 , 545, 11-21	5.3	79
75	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, 6735-40	11.5	270
74	Imbalance towards inhibition as a substrate of aging-associated cognitive impairment. <i>Neuroscience Letters</i> , 2006 , 397, 64-8	3.3	24
73	The amyloid pathology progresses in a neurotransmitter-specific manner. <i>Neurobiology of Aging</i> , 2006 , 27, 1644-57	5.6	102
72	Intracellular and extracellular Abeta, a tale of two neuropathologies. <i>Brain Pathology</i> , 2005 , 15, 66-71	6	53
71	Translational control of hippocampal synaptic plasticity and memory by the eIF2alpha kinase GCN2. <i>Nature</i> , 2005 , 436, 1166-73	50.4	302
70	Rat transgenic models with a phenotype of intracellular Abeta accumulation in hippocampus and cortex. <i>Journal of Alzheimer's Disease</i> , 2004 , 6, 209-19	4.3	65

69	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, 8009-18	6.6	75
68	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	3.4	25
67	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, 241-59		35
66	Skin blood vessels are simultaneously innervated by sensory, sympathetic, and parasympathetic fibers. <i>Journal of Comparative Neurology</i> , 2002 , 448, 323-36	3.4	40
65	Tau function and dysfunction in neurons: its role in neurodegenerative disorders. <i>Molecular Neurobiology</i> , 2002 , 25, 213-31	6.2	43
64	Intracellular A-beta amyloid, a sign for worse things to come?. <i>Molecular Neurobiology</i> , 2002 , 26, 299-316	6.2	63
63	Aging causes a preferential loss of cholinergic innervation of characterized neocortical pyramidal neurons. <i>Cerebral Cortex</i> , 2002 , 12, 329-37	5.1	40
62	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, 466-80	3.4	24
61	Peripheral nerve injury leads to the establishment of a novel pattern of sympathetic fibre innervation in the rat skin. <i>Journal of Comparative Neurology</i> , 2000 , 422, 287-96	3.4	46
60	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, 8596-606	6.6	64
59	Abeta immunoreactive material is present in several intracellular compartments in transfected, neuronally differentiated, P19 cells expressing the human amyloid beta-protein precursor. <i>Journal of Alzheimer's Disease</i> , 2000 , 2, 207-22	4.3	46
58	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, 2706-16	6.6	175
57	Mitochondrial abnormalities in neuroectodermal cells stably expressing human amyloid precursor protein (hAPP751). <i>NeuroReport</i> , 1999 , 10, 41-6	1.7	41
56	TrkA antagonists decrease NGF-induced ChAT activity in vitro and modulate cholinergic synaptic number in vivo. <i>Journal of Physiology (Paris)</i> , 1998 , 92, 205-8		9
55	A TrkA-selective, fast internalizing nerve growth factor-antibody complex induces trophic but not neurotogenic signals. <i>Journal of Biological Chemistry</i> , 1998 , 273, 34933-40	5.4	73
54	Responses of cortical noradrenergic and somatostatinergic fibres and terminals to adjacent strokes and subsequent treatment with NGF and/or the ganglioside GM1. <i>Journal of Neuroscience Research</i> , 1997 , 50, 627-42	4.4	7
53	Effects of trophic factors on the CNS cholinergic phenotype. <i>Progress in Brain Research</i> , 1996 , 109, 347-58	5.9	33
52	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, 2021-35	3.5	45

51	Microencapsulation and the grafting of genetically transformed cells as therapeutic strategies to rescue degenerating neurons of the CNS. <i>Reviews in the Neurosciences</i> , 1995 , 6, 15-33	4.7	6
50	Acidic FGF induces NGF and its mRNA in the injured neocortex of adult animals. <i>Molecular Brain Research</i> , 1995 , 33, 1-6		28
49	Nerve growth factor treatment restores [3H]QNB binding site density in adult rat subjected to cortical infarction. <i>NeuroReport</i> , 1995 , 6, 419-20	1.7	4
48	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	2.9	16
47	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	3.7	20
46	Trophic factor therapy in the adult CNS: remodelling of injured basalo-cortical neurons. <i>Progress in Brain Research</i> , 1994 , 100, 213-21	2.9	13
45	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, 337-55	2.9	10
44	Intraventricular application of BDNF and NT-3 failed to protect nucleus basalis magnocellularis cholinergic neurones. <i>NeuroReport</i> , 1994 , 5, 1105-9	1.7	17
43	Trophic responses of forebrain cholinergic neurons: a discussion. <i>Progress in Brain Research</i> , 1993 , 98, 265-77	2.9	25
42	Effects of coencapsulated NGF and GM1 in rats with cortical lesions. <i>NeuroReport</i> , 1993 , 4, 971-4	1.7	22
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