Ernest Arenas

List of Publications by Year in Descending Order

155 papers	12,232 citations	61 h-index	108 g-index
175 ext. papers	14,299 ext. citations	10.6 avg, IF	6.1 L-index

#	Paper	IF	Citations
155	Parkinson's disease in the single-cell era.. *Nature Neuroscience*, **2022**, 25, 536-538	25.5	0
154	Combinatorial ECM Arrays Identify Cooperative Roles for Matricellular Proteins in Enhancing the Generation of TH+ Neurons From Human Pluripotent Cells.. *Frontiers in Cell and Developmental Biology*, **2021**, 9, 755406	5.7	1
153	MEIS-WNT5A axis regulates development of fourth ventricle choroid plexus. *Development (Cambridge)*, **2021**, 148,	6.6	3
152	The Cerebrospinal Fluid Profile of Cholesterol Metabolites in Parkinson's Disease and Their Association With Disease State and Clinical Features. *Frontiers in Aging Neuroscience*, **2021**, 13, 685594	5.3	0
151	Srebf1 Controls Midbrain Dopaminergic Neurogenesis. *Cell Reports*, **2020**, 31, 107601	10.6	5
150	Midbrain Dopaminergic Neuron Development at the Single Cell Level: and in Stem Cells. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 463	5.7	10
149	Genetic identification of cell types underlying brain complex traits yields insights into the etiology of Parkinson's disease. *Nature Genetics*, **2020**, 52, 482-493	36.3	79
148	LifeTime and improving European healthcare through cell-based interceptive medicine. *Nature*, **2020**, 587, 377-386	50.4	56
147	Graphene Oxide and Reduced Derivatives, as Powder or Film Scaffolds, Differentially Promote Dopaminergic Neuron Differentiation and Survival. *Frontiers in Neuroscience*, **2020**, 14, 570409	5.1	6
146	24(),25-Epoxycholesterol and () overexpression promote midbrain dopaminergic neurogenesis. *Journal of Biological Chemistry*, **2019**, 294, 4169-4176	5.4	20
145	The T-type Ca Channel Ca3.2 Regulates Differentiation of Neural Progenitor Cells during Cortical Development via Caspase-3. *Neuroscience*, **2019**, 402, 78-89	3.9	5
144	Mining for Oxysterols in Mouse Brain and Plasma: Relevance to Spastic Paraplegia Type 5. *Biomolecules*, **2019**, 9,	5.9	7
143	WNT5A is transported via lipoprotein particles in the cerebrospinal fluid to regulate hindbrain morphogenesis. *Nature Communications*, **2019**, 10, 1498	17.4	42
142	Laminin ? controls mouse and human stem cell behaviour during midbrain dopaminergic neuron development. *Development (Cambridge)*, **2019**, 146,	6.6	11
141	Additional pathways of sterol metabolism: Evidence from analysis of Cyp27a1-/- mouse brain and plasma. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2019**, 1864, 191-211	5	24
140	A Zeb2-miR-200c loop controls midbrain dopaminergic neuron neurogenesis and migration. *Communications Biology*, **2018**, 1, 75	6.7	10
139	The Matricellular Protein R-Spondin 2 Promotes Midbrain Dopaminergic Neurogenesis and Differentiation. *Stem Cell Reports*, **2018**, 11, 651-664	8	7

138	Molecular Architecture of the Mouse Nervous System. *Cell*, **2018**, 174, 999-1014.e22	56.2	1081
137	Single-cell RNA-seq analysis reveals the platinum resistance gene COX7B and the surrogate marker CD63. *Cancer Medicine*, **2018**, 7, 6193-6204	4.8	16
136	Transcriptional synergy as an emergent property defining cell subpopulation identity enables population shift. *Nature Communications*, **2018**, 9, 2595	17.4	9
135	Induction of functional dopamine neurons from human astrocytes in vitro and mouse astrocytes in a Parkinson's disease model. *Nature Biotechnology*, **2017**, 35, 444-452	44.5	178
134	Mapping genes for calcium signaling and their associated human genetic disorders. *Bioinformatics*, **2017**, 33, 2547-2554	7.2	8
133	Translation of WNT developmental programs into stem cell replacement strategies for the treatment of Parkinson's disease. *British Journal of Pharmacology*, **2017**, 174, 4716-4724	8.6	13
132	Oriented clonal cell dynamics enables accurate growth and shaping of vertebrate cartilage. *ELife*, **2017**, 6,	8.9	27
131	A proteomic analysis of LRRK2 binding partners reveals interactions with multiple signaling components of the WNT/PCP pathway. *Molecular Neurodegeneration*, **2017**, 12, 54	19	28
130	Niche-derived laminin-511 promotes midbrain dopaminergic neuron survival and differentiation through YAP. *Science Signaling*, **2017**, 10,	8.8	30
129	The tyrosine Y250 in Frizzled 4 defines a conserved motif important for structural integrity of the receptor and recruitment of Disheveled. *Cellular Signalling*, **2017**, 38, 85-96	4.9	13
128	A PBX1 transcriptional network controls dopaminergic neuron development and is impaired in Parkinson's disease. *EMBO Journal*, **2016**, 35, 1963-78	13	52
127	Analysis of neural crest-derived clones reveals novel aspects of facial development. *Science Advances*, **2016**, 2, e1600060	14.3	42
126	Dopamine Receptor Antagonists Enhance Proliferation and Neurogenesis of Midbrain Lmx1a-expressing Progenitors. *Scientific Reports*, **2016**, 6, 26448	4.9	22
125	Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system. *Science*, **2016**, 352, 1326-1329	33.3	497
124	Wnt/[illegible]Catenin Stimulation and Laminins Support Cardiovascular Cell Progenitor Expansion from Human Fetal Cardiac Mesenchymal Stromal Cells. *Stem Cell Reports*, **2016**, 6, 607-617	8	18
123	Molecular Diversity of Midbrain Development in Mouse, Human, and Stem Cells. *Cell*, **2016**, 167, 566-580.e19	56.2	425
122	Dickkopf 3 Promotes the Differentiation of a Rostrolateral Midbrain Dopaminergic Neuronal Subset In Vivo and from Pluripotent Stem Cells In Vitro in the Mouse. *Journal of Neuroscience*, **2015**, 35, 13385-401	6.6	21
121	WNT signaling in midbrain dopaminergic neuron development and cell replacement therapies for Parkinson's disease. *SpringerPlus*, **2015**, 4, L49		6

120	How to make a midbrain dopaminergic neuron. *Development (Cambridge)*, **2015**, 142, 1918-36	6.6	181
119	Liver X receptors and cholesterol metabolism: role in ventral midbrain development and neurodegeneration. *F1000prime Reports*, **2015**, 7, 37		13
118	Wnts are expressed in the spinal cord of adult mice and are differentially induced after injury. *Journal of Neurotrauma*, **2014**, 31, 565-81	5.4	52
117	Wnt signaling in midbrain dopaminergic neuron development and regenerative medicine for Parkinson's disease. *Journal of Molecular Cell Biology*, **2014**, 6, 42-53	6.3	69
116	Cholestenoic acids regulate motor neuron survival via liver X receptors. *Journal of Clinical Investigation*, **2014**, 124, 4829-42	15.9	69
115	Brain endogenous liver X receptor ligands selectively promote midbrain neurogenesis. *Nature Chemical Biology*, **2013**, 9, 126-33	11.7	88
114	Efficient expansion and dopaminergic differentiation of human fetal ventral midbrain neural stem cells by midbrain morphogens. *Neurobiology of Disease*, **2013**, 49, 118-27	7.5	24
113	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. *Development (Cambridge)*, **2013**, 140, 4554-64	6.6	53
112	Neural progenitors organize in small-world networks to promote cell proliferation. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E1524-32	11.5	63
111	Wnt5a cooperates with canonical Wnts to generate midbrain dopaminergic neurons in vivo and in stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, E602-10	11.5	87
110	The Ryk receptor is expressed in glial and fibronectin-expressing cells after spinal cord injury. *Journal of Neurotrauma*, **2013**, 30, 806-17	5.4	16
109	Tiam1 regulates the Wnt/Dvl/Rac1 signaling pathway and the differentiation of midbrain dopaminergic neurons. *Molecular and Cellular Biology*, **2013**, 33, 59-70	4.8	33
108	Inhibition of mitochondrial complex III blocks neuronal differentiation and maintains embryonic stem cell pluripotency. *PLoS ONE*, **2013**, 8, e82095	3.7	61
107	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. *Journal of Cell Science*, **2013**, 126, e1-e1	5.3	8
106	Heterotrimeric G protein-dependent WNT-5A signaling to ERK1/2 mediates distinct aspects of microglia proinflammatory transformation. *Journal of Neuroinflammation*, **2012**, 9, 111	10.1	72
105	Spatio-temporal expression pattern of frizzled receptors after contusive spinal cord injury in adult rats. *PLoS ONE*, **2012**, 7, e50793	3.7	20
104	SFRP1 and SFRP2 dose-dependently regulate midbrain dopamine neuron development in vivo and in embryonic stem cells. *Stem Cells*, **2012**, 30, 865-75	5.8	45
103	Stromal factors SDF1[illegible]sFRP1, and VEGFD induce dopaminergic neuron differentiation of human pluripotent stem cells. *Journal of Neuroscience Research*, **2012**, 90, 1367-81	4.4	33

102	Analysis of bioactive oxysterols in newborn mouse brain by LC/MS. *Journal of Lipid Research*, **2012**, 53, 2469-83	6.3	41
101	Dkk1 regulates ventral midbrain dopaminergic differentiation and morphogenesis. *PLoS ONE*, **2011**, 6, e15786	3.7	17
100	Functional integration of grafted neural stem cell-derived dopaminergic neurons monitored by optogenetics in an in vitro Parkinson model. *PLoS ONE*, **2011**, 6, e17560	3.7	84
99	Wnt5a regulates midbrain dopaminergic axon growth and guidance. *PLoS ONE*, **2011**, 6, e18373	3.7	73
98	Differential expression of Wnts after spinal cord contusion injury in adult rats. *PLoS ONE*, **2011**, 6, e27000	3.7	62
97	Emerging roles of Wnts in the adult nervous system. *Nature Reviews Neuroscience*, **2010**, 11, 77-86	13.5	487
96	Cerebrospinal fluid steroidomics: are bioactive bile acids present in brain?. *Journal of Biological Chemistry*, **2010**, 285, 4666-79	5.4	94
95	Vang-like protein 2 and Rac1 interact to regulate adherens junctions. *Journal of Cell Science*, **2010**, 123, 472-83	5.3	45
94	Interactions of Wnt/beta-catenin signaling and sonic hedgehog regulate the neurogenesis of ventral midbrain dopamine neurons. *Journal of Neuroscience*, **2010**, 30, 9280-91	6.6	98
93	Communication via gap junctions underlies early functional and beneficial interactions between grafted neural stem cells and the host. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 5184-9	11.5	119
92	Wnt2 regulates progenitor proliferation in the developing ventral midbrain. *Journal of Biological Chemistry*, **2010**, 285, 7246-53	5.4	54
91	Towards stem cell replacement therapies for Parkinson's disease. *Biochemical and Biophysical Research Communications*, **2010**, 396, 152-6	3.4	79
90	Ca2+ and cAMP signaling in human embryonic stem cell-derived dopamine neurons. *Stem Cells and Development*, **2010**, 19, 1355-64	4.4	34
89	Transplantable midbrain dopamine neurons: a moving target. *Experimental Neurology*, **2010**, 222, 173-8	5.7	8
88	Delayed dopaminergic neuron differentiation in Lrp6 mutant mice. *Developmental Dynamics*, **2010**, 239, 211-21	2.9	29
87	Genetic interaction between Lrp6 and Wnt5a during mouse development. *Developmental Dynamics*, **2010**, 239, 237-45	2.9	24
86	WNT unrelated activities in commercially available preparations of recombinant WNT3a. *Journal of Cellular Biochemistry*, **2010**, 111, 1077-9	4.7	16
85	A small synthetic cripto blocking Peptide improves neural induction, dopaminergic differentiation, and functional integration of mouse embryonic stem cells in a rat model of Parkinson's disease. *Stem Cells*, **2010**, 28, 1326-37	5.8	31

84	Vang-like protein 2 and Rac1 interact to regulate adherens junctions. *Development (Cambridge)*, **2010**, 137, e406-e406	6.6	
83	Wnt5a is required for endothelial differentiation of embryonic stem cells and vascularization via pathways involving both Wnt/beta-catenin and protein kinase Calpha. *Circulation Research*, **2009**, 104, 372-9	15.7	53
82	The extracellular domain of Lrp5/6 inhibits noncanonical Wnt signaling in vivo. *Molecular Biology of the Cell*, **2009**, 20, 924-36	3.5	87
81	Wnt/beta-catenin signaling blockade promotes neuronal induction and dopaminergic differentiation in embryonic stem cells. *Stem Cells*, **2009**, 27, 2917-27	5.8	57
80	Inhibition of canonical Wnt signaling promotes gliogenesis in P0-NSCs. *Biochemical and Biophysical Research Communications*, **2009**, 386, 628-33	3.4	25
79	Parkin protects dopaminergic neurons from excessive Wnt/beta-catenin signaling. *Biochemical and Biophysical Research Communications*, **2009**, 388, 473-8	3.4	74
78	Liver X receptors and oxysterols promote ventral midbrain neurogenesis in vivo and in human embryonic stem cells. *Cell Stem Cell*, **2009**, 5, 409-19	18	101
77	Targeted lipidomic analysis of oxysterols in the embryonic central nervous system. *Molecular BioSystems*, **2009**, 5, 529-41		30
76	Beta-arrestin and casein kinase 1/2 define distinct branches of non-canonical WNT signalling pathways. *EMBO Reports*, **2008**, 9, 1244-50	6.5	67
75	Histone H2AX-dependent GABA(A) receptor regulation of stem cell proliferation. *Nature*, **2008**, 451, 460-4	50.4	218
74	The beta-chemokines CCL2 and CCL7 are two novel differentiation factors for midbrain dopaminergic precursors and neurons. *Experimental Cell Research*, **2008**, 314, 2123-30	4.2	37
73	Control of neural stem cell adhesion and density by an electronic polymer surface switch. *Langmuir*, **2008**, 24, 14133-8	4	79
72	Foxa2: the rise and fall of dopamine neurons. *Cell Stem Cell*, **2008**, 2, 110-2	18	21
71	Wnt5a regulates ventral midbrain morphogenesis and the development of A9-A10 dopaminergic cells in vivo. *PLoS ONE*, **2008**, 3, e3517	3.7	73
70	Valproic acid induces differentiation and inhibition of proliferation in neural progenitor cells via the beta-catenin-Ras-ERK-p21Cip/WAF1 pathway. *BMC Cell Biology*, **2008**, 9, 66		78
69	Identification of midbrain floor plate radial glia-like cells as dopaminergic progenitors. *Glia*, **2008**, 56, 809-20	9	101
68	Alpha-chemokines regulate proliferation, neurogenesis, and dopaminergic differentiation of ventral midbrain precursors and neurospheres. *Stem Cells*, **2008**, 26, 1891-900	5.8	22
67	Wnt5a-treated midbrain neural stem cells improve dopamine cell replacement therapy in parkinsonian mice. *Journal of Clinical Investigation*, **2008**, 118, 149-60	15.9	128

66	Peptide-presenting two-dimensional protein matrix on supported lipid bilayers: an efficient platform for cell adhesion. *Biointerphases*, **2007**, 2, 165-72	1.8	19
65	Wnt-3a utilizes a novel low dose and rapid pathway that does not require casein kinase 1-mediated phosphorylation of Dvl to activate beta-catenin. *Cellular Signalling*, **2007**, 19, 610-6	4.9	74
64	Microarray analyses support a role for Nurr1 in resistance to oxidative stress and neuronal differentiation in neural stem cells. *Stem Cells*, **2007**, 25, 511-9	5.8	31
63	Midbrain dopaminergic neurogenesis and behavioural recovery in a salamander lesion-induced regeneration model. *Development (Cambridge)*, **2007**, 134, 2881-7	6.6	87
62	Stem-cell-based strategies for the treatment of Parkinson's disease. *Neurodegenerative Diseases*, **2007**, 4, 339-47	2.3	34
61	Beta-arrestin is a necessary component of Wnt/beta-catenin signaling in vitro and in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 6690-5	11.5	129
60	Wnt-5a induces Dishevelled phosphorylation and dopaminergic differentiation via a CK1-dependent mechanism. *Journal of Cell Science*, **2007**, 120, 586-95	5.3	141
59	Neurogenin 2 is required for the development of ventral midbrain dopaminergic neurons. *Development (Cambridge)*, **2006**, 133, 495-505	6.6	183
58	A Wnt1-regulated genetic network controls the identity and fate of midbrain-dopaminergic progenitors in vivo. *Development (Cambridge)*, **2006**, 133, 89-98	6.6	196
57	Dynamic temporal and cell type-specific expression of Wnt signaling components in the developing midbrain. *Experimental Cell Research*, **2006**, 312, 1626-36	4.2	43
56	Function of Wnts in dopaminergic neuron development. *Neurodegenerative Diseases*, **2006**, 3, 5-11	2.3	57
55	Ventral midbrain glia express region-specific transcription factors and regulate dopaminergic neurogenesis through Wnt-5a secretion. *Molecular and Cellular Neurosciences*, **2006**, 31, 251-62	4.8	85
54	Neural progenitor cells engineered to secrete GDNF show enhanced survival, neuronal differentiation and improve cognitive function following traumatic brain injury. *European Journal of Neuroscience*, **2006**, 23, 2119-34	3.5	98
53	BMPs, FGF8 and Wnts regulate the differentiation of locus coeruleus noradrenergic neuronal precursors. *Journal of Neurochemistry*, **2006**, 99, 343-52	6	13
52	Derivation of mouse embryonic stem cells. *Nature Protocols*, **2006**, 1, 2082-7	18.8	91
51	An efficient method for the derivation of mouse embryonic stem cells. *Stem Cells*, **2006**, 24, 844-9	5.8	65
50	Increased Wnt levels in the neural tube impair the function of adherens junctions during neurulation. *Molecular and Cellular Neurosciences*, **2005**, 30, 437-51	4.8	15
49	NTera2: a model system to study dopaminergic differentiation of human embryonic stem cells. *Stem Cells and Development*, **2005**, 14, 517-34	4.4	59

48	Engineering a dopaminergic phenotype in stem/precursor cells: role of Nurr1, glia-derived signals, and Wnts. *Annals of the New York Academy of Sciences*, **2005**, 1049, 51-66	6.5	30
47	Cripto as a target for improving embryonic stem cell-based therapy in Parkinson's disease. *Stem Cells*, **2005**, 23, 471-6	5.8	55
46	Purified Wnt-5a increases differentiation of midbrain dopaminergic cells and dishevelled phosphorylation. *Journal of Neurochemistry*, **2005**, 92, 1550-3	6	103
45	The antimicrobial peptide rCRAMP is present in the central nervous system of the rat. *Journal of Neurochemistry*, **2005**, 93, 1132-40	6	27
44	GSK-3beta inhibition/beta-catenin stabilization in ventral midbrain precursors increases differentiation into dopamine neurons. *Journal of Cell Science*, **2004**, 117, 5731-7	5.3	118
43	Novel isoforms of the TFIID subunit TAF4 modulate nuclear receptor-mediated transcriptional activity. *Biochemical and Biophysical Research Communications*, **2004**, 325, 574-9	3.4	8
42	Disruption of EphA/ephrin-a signaling in the nigrostriatal system reduces dopaminergic innervation and dissociates behavioral responses to amphetamine and cocaine. *Molecular and Cellular Neurosciences*, **2004**, 26, 418-28	4.8	44
41	Nurr1-RXR heterodimers mediate RXR ligand-induced signaling in neuronal cells. *Genes and Development*, **2003**, 17, 3036-47	12.6	96
40	Region-specific effects of glia on neuronal induction and differentiation with a focus on dopaminergic neurons. *Glia*, **2003**, 43, 47-51	9	31
39	Crucial role of TrkB ligands in the survival and phenotypic differentiation of developing locus coeruleus noradrenergic neurons. *Development (Cambridge)*, **2003**, 130, 3535-45	6.6	40
38	Differential regulation of midbrain dopaminergic neuron development by Wnt-1, Wnt-3a, and Wnt-5a. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100, 12747-52	11.5	302
37	Striatopallidal neurons are selectively protected by neurturin in an excitotoxic model of Huntington's disease. *Journal of Neurobiology*, **2002**, 50, 323-32		11
36	BMP-2 and cAMP elevation confer locus coeruleus neurons responsiveness to multiple neurotrophic factors. *Journal of Neurobiology*, **2002**, 50, 291-304		20
35	Neurturin is a neuritogenic but not a survival factor for developing and adult central noradrenergic neurons. *Journal of Neurochemistry*, **2002**, 81, 1318-27	6	20
34	The p75 neurotrophin receptor interacts with multiple MAGE proteins. *Journal of Biological Chemistry*, **2002**, 277, 49101-4	5.4	79
33	Neuroprotection through delivery of glial cell line-derived neurotrophic factor by neural stem cells in a mouse model of Parkinson's disease. *Journal of Neuroscience*, **2001**, 21, 8108-18	6.6	253
32	Distinct roles of the Y1 and Y2 receptors on neuropeptide Y-induced sensitization to sedation. *Journal of Neurochemistry*, **2001**, 78, 1201-7	6	39
31	Neuroprotection of striatal neurons against kainate excitotoxicity by neurotrophins and GDNF family members. *Journal of Neurochemistry*, **2001**, 78, 1287-96	6	73

30	Neuropeptide Y alters sedation through a hypothalamic Y1-mediated mechanism. *European Journal of Neuroscience*, **2001**, 13, 2241-6	3.5	46
29	Expression of brain-derived neurotrophic factor in cortical neurons is regulated by striatal target area. *Journal of Neuroscience*, **2001**, 21, 117-24	6.6	90
28	Brain-derived neurotrophic factor, neurotrophin-3, and neurotrophin-4/5 prevent the death of striatal projection neurons in a rodent model of Huntington's disease. *Journal of Neurochemistry*, **2000**, 75, 2190-9	6	154
27	Increased survival of dopaminergic neurons in striatal grafts of fetal ventral mesencephalic cells exposed to neurotrophin-3 or glial cell line-derived neurotrophic factor. *Cell Transplantation*, **2000**, 9, 45-53	4	52
26	Fibroblast-like cells from rat plantar skin and neurotrophin-transfected 3T3 fibroblasts influence neurite growth from rat sensory neurons in vitro. *Journal of Neurocytology*, **2000**, 29, 653-63		10
25	Differential effects of glial cell line-derived neurotrophic factor and neurturin on developing and adult substantia nigra dopaminergic neurons. *Journal of Neurochemistry*, **1999**, 73, 70-8	6	135
24	Induction of a midbrain dopaminergic phenotype in Nurr1-overexpressing neural stem cells by type 1 astrocytes. *Nature Biotechnology*, **1999**, 17, 653-9	44.5	311
23	Normal feeding behavior, body weight and leptin response require the neuropeptide Y Y2 receptor. *Nature Medicine*, **1999**, 5, 1188-93	50.5	240
22	Neurotrophins in Development of the Nervous System **1999**, 447-461		
21	BDNF regulates reelin expression and Cajal-Retzius cell development in the cerebral cortex. *Neuron* , **1998**, 21, 305-15	13.9	135
20	BDNF up-regulates TrkB protein and prevents the death of CA1 neurons following transient forebrain ischemia. *Brain Pathology*, **1998**, 8, 253-61	6	71
19	Differential regulation of the expression of nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 after excitotoxicity in a rat model of Huntington's disease. *Neurobiology of Disease*, **1998**, 5, 357-64	7.5	40
18	Adenosine A1 receptor-mediated modulation of dopamine D1 receptors in stably cotransfected fibroblast cells. *Journal of Biological Chemistry*, **1998**, 273, 4718-24	5.4	84
17	Regulation of dopamine D2 receptor affinity by cholecystokinin octapeptide in fibroblast cells cotransfected with human CCKB and D2L receptor cDNAs. *Molecular Brain Research*, **1996**, 36, 292-9		20
16	Adenosine A2A receptors modulate the binding characteristics of dopamine D2 receptors in stably cotransfected fibroblast cells. *European Journal of Pharmacology*, **1996**, 316, 325-31	5.3	79
15	Functional receptor for GDNF encoded by the c-ret proto-oncogene. *Nature*, **1996**, 381, 785-9	50.4	724
14	Effects of BDNF and NT-4/5 on striatonigral neuropeptides or nigral GABA neurons in vivo. *European Journal of Neuroscience*, **1996**, 8, 1707-17	3.5	62
13	GDNF prevents degeneration and promotes the phenotype of brain noradrenergic neurons in vivo. *Neuron*, **1995**, 15, 1465-73	13.9	317

12	Neurotrophin-3 prevents the death of adult central noradrenergic neurons in vivo. *Nature*, **1994**, 367, 368-71	50.4	198
11	Nerve growth factor and basic fibroblast growth factor protect cholinergic neurons against quinolinic acid excitotoxicity in rat neostriatum. *European Journal of Neuroscience*, **1994**, 6, 706-11	3.5	27
10	Selective resistance of tachykinin-responsive cholinergic neurons in the quinolinic acid lesioned neostriatum. *Brain Research*, **1993**, 603, 317-20	3.7	13
9	Nerve growth factor and its receptor are differentially modified by chronic naltrexone treatment during rat brain development. *Neuroscience Letters*, **1993**, 149, 47-50	3.3	11
8	Control of tachykinin-evoked acetylcholine release from rat striatal slices by dopaminergic neurons. *Naunyn-Schmiedeberg's Archives of Pharmacology*, **1993**, 348, 445-9	3.4	3
7	Involvement of nerve growth factor and its receptor in the regulation of the cholinergic function in aged rats. *Journal of Neurochemistry*, **1991**, 57, 1483-7	6	58
6	Neostriatal dopaminergic terminals prevent the GABAergic involvement in the mu- and delta-opioid inhibition of KCl-evoked endogenous acetylcholine release. *Brain Research*, **1991**, 556, 349-52	3.7	4
5	GABAA and GABAB antagonists prevent the opioid inhibition of endogenous acetylcholine release evoked by glutamate from rat neostriatal slices. *Neuroscience Letters*, **1990**, 120, 201-4	3.3	15
4	Effect of opioids on acetylcholine release evoked by K+ or glutamic acid from rat neostriatal slices. *Brain Research*, **1990**, 523, 51-6	3.7	46
3	MEIS-WNT5A axis regulates development of 4th ventricle choroid plexus		3
2	Molecular architecture of the mouse nervous system		10
1	Genetic Identification of Cell Types Underlying Brain Complex Traits Yields Novel Insights Into the Etiology of Parkinson's Disease		9