Ernest Arenas

List of Publications by Year
in descending order

154	15,728	15466 65	19690 117
papers	citations	h-index	g-index

175	175	175	20916
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Molecular Architecture of the Mouse Nervous System. Cell, 2018, 174, 999-1014.e22.	13.5	2,002
2	Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system. Science, 2016, 352, 1326-1329.	6.0	817
3	Functional receptor for GDNF encoded by the c-ret proto-oncogene. Nature, 1996, 381, 785-789.	13.7	785
4	Molecular Diversity of Midbrain Development in Mouse, Human, and Stem Cells. Cell, 2016, 167, 566-580.e19.	13.5	687
5	Emerging roles of Wnts in the adult nervous system. Nature Reviews Neuroscience, 2010, 11, 77-86.	4.9	558
6	Induction of a midbrain dopaminergic phenotype in Nurr1-overexpressing neural stem cells by type 1 astrocytes. Nature Biotechnology, 1999, 17, 653-659.	9.4	344
7	GDNF prevents degeneration and promotes the phenotype of brain noradrenergic neurons in vivo. Neuron, 1995, 15, 1465-1473.	3.8	337
8	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, 12747-12752.	3.3	329
9	How to make a midbrain dopaminergic neuron. Development (Cambridge), 2015, 142, 1918-1936.	1.2	286
10	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, 8108-8118.	1.7	284
11	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.	9.4	278
12	Normal feeding behavior, body weight and leptin response require the neuropeptide Y Y2 receptor. Nature Medicine, 1999, 5, 1188-1193.	15.2	261
13	Histone H2AX-dependent GABAA receptor regulation of stem cell proliferation. Nature, 2008, 451, 460-464.	13.7	255
14	A Wnt1-regulated genetic network controls the identity and fate of midbrain-dopaminergic progenitors in vivo. Development (Cambridge), 2006, 133, 89-98.	1.2	219
15	Genetic identification of cell types underlying brain complex traits yields insights into the etiology of Parkinsonâ€™s disease. Nature Genetics, 2020, 52, 482-493.	9.4	216
16	Neurotrophin-3 prevents the death of adult central noradrenergic neurons in vivo. Nature, 1994, 367, 368-371.	13.7	212
17	Neurogenin 2 is required for the development of ventral midbrain dopaminergic neurons. Development (Cambridge), 2006, 133, 495-505.	1.2	204
18	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, 2002, 75, 2190-2199.	2.1	173

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19	Wnt-5a induces Dishevelled phosphorylation and dopaminergic differentiation via a CK1-dependent mechanism. Journal of Cell Science, 2007, 120, 586-595.	1.2	160
20	Wnt5a-treated midbrain neural stem cells improve dopamine cell replacement therapy in parkinsonian mice. Journal of Clinical Investigation, 2008, 118, 149-160.	3.9	152
21	BDNF Regulates Reelin Expression and Cajal-Retzius Cell Development in the Cerebral Cortex. Neuron, 1998, 21, 305-315.	3.8	151
22	Differential Effects of Glial Cell Line-Derived Neurotrophic Factor and Neurturin on Developing and Adult Substantia Nigra Dopaminergic Neurons. Journal of Neurochemistry, 2002, 73, 70-78.	2.1	151
23	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, 6690-6695.	3.3	140
24	GSK-3Î² inhibition/Î²-catenin stabilization in ventral midbrain precursors increases differentiation into dopamine neurons. Journal of Cell Science, 2004, 117, 5731-5737.	1.2	135
25	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, 5184-5189.	3.3	133
26	Liver X Receptors and Oxysterols Promote Ventral Midbrain Neurogenesis In Vivo and in Human Embryonic Stem Cells. Cell Stem Cell, 2009, 5, 409-419.	5.2	129
27	Identification of midbrain floor plate radial gliaâ€like cells as dopaminergic progenitors. Glia, 2008, 56, 809-820.	2.5	119
28	Interactions of Wnt/Â-Catenin Signaling and Sonic Hedgehog Regulate the Neurogenesis of Ventral Midbrain Dopamine Neurons. Journal of Neuroscience, 2010, 30, 9280-9291.	1.7	119
29	Purified Wnt-5a increases differentiation of midbrain dopaminergic cells and dishevelled phosphorylation. Journal of Neurochemistry, 2005, 92, 1550-1553.	2.1	117
30	Brain endogenous liver X receptor ligands selectively promote midbrain neurogenesis. Nature Chemical Biology, 2013, 9, 126-133.	3.9	116
31	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, 2119-2134.	1.2	114
32	Nurr1-RXR heterodimers mediate RXR ligand-induced signaling in neuronal cells. Genes and Development, 2003, 17, 3036-3047.	2.7	111
33	Derivation of mouse embryonic stem cells. Nature Protocols, 2006, 1, 2082-2087.	5.5	109
34	Cerebrospinal Fluid Steroidomics: Are Bioactive Bile Acids Present in Brain?. Journal of Biological Chemistry, 2010, 285, 4666-4679.	1.6	109
35	LifeTime and improving European healthcare through cell-based interceptive medicine. Nature, 2020, 587, 377-386.	13.7	108
36	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.	3.3	107

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37	Midbrain dopaminergic neurogenesis and behavioural recovery in a salamander lesion-induced regeneration model. Development (Cambridge), 2007, 134, 2881-2887.	1.2	99
38	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.	3.0	99
39	Adenosine A1 Receptor-mediated Modulation of Dopamine D1 Receptors in Stably Cotransfected Fibroblast Cells. Journal of Biological Chemistry, 1998, 273, 4718-4724.	1.6	98
40	Expression of Brain-Derived Neurotrophic Factor in Cortical Neurons Is Regulated by Striatal Target Area. Journal of Neuroscience, 2001, 21, 117-124.	1.7	97
41	Wnt signaling in midbrain dopaminergic neuron development and regenerative medicine for Parkinson's disease. Journal of Molecular Cell Biology, 2014, 6, 42-53.	1.5	97
42	The Extracellular Domain of Lrp5/6 Inhibits Noncanonical Wnt Signaling In Vivo. Molecular Biology of the Cell, 2009, 20, 924-936.	0.9	96
43	Functional Integration of Grafted Neural Stem Cell-Derived Dopaminergic Neurons Monitored by Optogenetics in an In Vitro Parkinson Model. PLoS ONE, 2011, 6, e17560.	1.1	94
44	Heterotrimeric G protein-dependent WNT-5A signaling to ERK1/2 mediates distinct aspects of microglia proinflammatory transformation. Journal of Neuroinflammation, 2012, 9, 111.	3.1	92
45	Adenosine A2A receptors modulate the binding characteristics of dopamine D2 receptors in stably cotransfected fibroblast cells. European Journal of Pharmacology, 1996, 316, 325-331.	1.7	91
46	Towards stem cell replacement therapies for Parkinsonâ€™s disease. Biochemical and Biophysical Research Communications, 2010, 396, 152-156.	1.0	91
47	Ventral midbrain glia express region-specific transcription factors and regulate dopaminergic neurogenesis through Wnt-5a secretion. Molecular and Cellular Neurosciences, 2006, 31, 251-262.	1.0	90
48	Parkin protects dopaminergic neurons from excessive Wnt/Î²-catenin signaling. Biochemical and Biophysical Research Communications, 2009, 388, 473-478.	1.0	88
49	Control of Neural Stem Cell Adhesion and Density by an Electronic Polymer Surface Switch. Langmuir, 2008, 24, 14133-14138.	1.6	86
50	Wnt5a Regulates Midbrain Dopaminergic Axon Growth and Guidance. PLoS ONE, 2011, 6, e18373.	1.1	86
51	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.	3.3	85
52	A PBX1 transcriptional network controls dopaminergic neuron development and is impaired in Parkinson's disease. EMBO Journal, 2016, 35, 1963-1978.	3.5	85
53	The p75 Neurotrophin Receptor Interacts with Multiple MAGE Proteins. Journal of Biological Chemistry, 2002, 277, 49101-49104.	1.6	84
54	Wnt5a Regulates Ventral Midbrain Morphogenesis and the Development of A9â€"A10 Dopaminergic Cells In Vivo. PLoS ONE, 2008, 3, e3517.	1.1	84

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55	Cholestenoic acids regulate motor neuron survival via liver X receptors. Journal of Clinical Investigation, 2014, 124, 4829-4842.	3.9	84
56	Wnt-3a utilizes a novel low dose and rapid pathway that does not require casein kinase 1-mediated phosphorylation of Dvl to activate Î²-catenin. Cellular Signalling, 2007, 19, 610-616.	1.7	81
57	Differential Expression of Wnts after Spinal Cord Contusion Injury in Adult Rats. PLoS ONE, 2011, 6, e27000.	1.1	80
58	BDNF Upâ€Regulates TrkB Protein and Prevents the Death of CA1 Neurons Following Transient Forebrain Ischemia. Brain Pathology, 1998, 8, 253-261.	2.1	79
59	Neuroprotection of striatal neurons against kainate excitotoxicity by neurotrophins and GDNF family members. Journal of Neurochemistry, 2001, 78, 1287-1296.	2.1	78
60	An Efficient Method for the Derivation of Mouse Embryonic Stem Cells. Stem Cells, 2006, 24, 844-849.	1.4	77
61	Wnt2 Regulates Progenitor Proliferation in the Developing Ventral Midbrain. Journal of Biological Chemistry, 2010, 285, 7246-7253.	1.6	72
62	Î²â€Arrestin and casein kinase 1/2 define distinct branches of nonâ€canonical WNT signalling pathways. EMBO Reports, 2008, 9, 1244-1250.	2.0	71
63	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. Development (Cambridge), 2013, 140, 4554-4564.	1.2	71
64	Analysis of neural crestâ€"derived clones reveals novel aspects of facial development. Science Advances, 2016, 2, e1600060.	4.7	68
65	Inhibition of Mitochondrial Complex III Blocks Neuronal Differentiation and Maintains Embryonic Stem Cell Pluripotency. PLoS ONE, 2013, 8, e82095.	1.1	67
66	Effects of BDNF and NT-4/5 on Striatonigral Neuropeptides or Nigral GABA NeuronsIn Vivo. European Journal of Neuroscience, 1996, 8, 1707-1717.	1.2	65
67	NTera2: A Model System to Study Dopaminergic Differentiation of Human Embryonic Stem Cells. Stem Cells and Development, 2005, 14, 517-534.	1.1	64
68	Wnt/Î²-Catenin Signaling Blockade Promotes Neuronal Induction and Dopaminergic Differentiation in Embryonic Stem Cells. Stem Cells, 2009, 27, N/A-N/A.	1.4	64
69	WNT5A is transported via lipoprotein particles in the cerebrospinal fluid to regulate hindbrain morphogenesis. Nature Communications, 2019, 10, 1498.	5.8	64
70	Involvement of Nerve Growth Factor and Its Receptor in the Regulation of the Cholinergic Function in Aged Rats. Journal of Neurochemistry, 1991, 57, 1483-1487.	2.1	62
71	Cripto as a Target for Improving Embryonic Stem Cell-Based Therapy in Parkinson's Disease. Stem Cells, 2005, 23, 471-476.	1.4	62
72	Wnt5a Is Required for Endothelial Differentiation of Embryonic Stem Cells and Vascularization via Pathways Involving Both Wnt/Î²-Catenin and Protein Kinase CÎ±. Circulation Research, 2009, 104, 372-379.	2.0	62

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73	Function of Wnts in Dopaminergic Neuron Development. Neurodegenerative Diseases, 2006, 3, 5-11.	0.8	60
74	Wnts Are Expressed in the Spinal Cord of Adult Mice and Are Differentially Induced after Injury. Journal of Neurotrauma, 2014, 31, 565-581.	1.7	59
75	SFRP1 and SFRP2 Doseâ€Dependently Regulate Midbrain Dopamine Neuron Development In Vivo and in Embryonic Stem Cells. Stem Cells, 2012, 30, 865-875.	1.4	58
76	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.	1.2	54
77	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, 418-428.	1.0	53
78	Neuropeptide Y alters sedation through a hypothalamic Y1-mediated mechanism. European Journal of Neuroscience, 2001, 13, 2241-2246.	1.2	52
79	The Î²-chemokines CCL2 and CCL7 are two novel differentiation factors for midbrain dopaminergic precursors and neurons. Experimental Cell Research, 2008, 314, 2123-2130.	1.2	50
80	Vang-like protein 2 and Rac1 interact to regulate adherens junctions. Journal of Cell Science, 2010, 123, 472-483.	1.2	50
81	Effect of opioids on acetylcholine release evoked by K+ or glutamic acid from rat neostriatal slices. Brain Research, 1990, 523, 51-56.	1.1	49
82	Niche-derived laminin-511 promotes midbrain dopaminergic neuron survival and differentiation through YAP. Science Signaling, 2017, 10, .	1.6	47
83	Analysis of bioactive oxysterols in newborn mouse brain by LC/MS. Journal of Lipid Research, 2012, 53, 2469-2483.	2.0	46
84	Oriented clonal cell dynamics enables accurate growth and shaping of vertebrate cartilage. ELife, 2017, 6, .	2.8	46
85	Dynamic temporal and cell type-specific expression of Wnt signaling components in the developing midbrain. Experimental Cell Research, 2006, 312, 1626-1636.	1.2	45
86	A proteomic analysis of LRRK2 binding partners reveals interactions with multiple signaling components of the WNT/PCP pathway. Molecular Neurodegeneration, 2017, 12, 54.	4.4	44
87	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, 357-364.	2.1	43
88	Crucial role of TrkB ligands in the survival and phenotypic differentiation of developing locus coeruleus noradrenergic neurons. Development (Cambridge), 2003, 130, 3535-3545.	1.2	42
89	Stem-Cell-Based Strategies for the Treatment of Parkinsonâ€™s Disease. Neurodegenerative Diseases, 2007, 4, 339-347.	0.8	41
90	Ca²⁺and cAMP Signaling in Human Embryonic Stem Cellâ€“Derived Dopamine Neurons. Stem Cells and Development, 2010, 19, 1355-1364.	1.1	41

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91	Distinct roles of the Y1 and Y2 receptors on neuropeptide Y-induced sensitization to sedation. Journal of Neurochemistry, 2001, 78, 1201-1207.	2.1	40
92	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 Â. Stem Cells, 2010, 28, 1326-1337.	1.4	40
93	Stromal factors SDF1Î±, sFRP1, and VEGFD induce dopaminergic neuron differentiation of human pluripotent stem cells. Journal of Neuroscience Research, 2012, 90, 1367-1381.	1.3	40
94	Tiam1 Regulates the Wnt/Dvl/Rac1 Signaling Pathway and the Differentiation of Midbrain Dopaminergic Neurons. Molecular and Cellular Biology, 2013, 33, 59-70.	1.1	40
95	Microarray Analyses Support a Role for Nurr1 in Resistance to Oxidative Stress and Neuronal Differentiation in Neural Stem Cells. Stem Cells, 2007, 25, 511-519.	1.4	35
96	Delayed dopaminergic neuron differentiation in <i>Lrp6</i> mutant mice. Developmental Dynamics, 2010, 239, 211-221.	0.8	35
97	Targeted lipidomic analysis of oxysterols in the embryonic central nervous system. Molecular BioSystems, 2009, 5, 529.	2.9	35
98	Region-specific effects of glia on neuronal induction and differentiation with a focus on dopaminergic neurons. Glia, 2003, 43, 47-51.	2.5	34
99	The antimicrobial peptide rCRAMP is present in the central nervous system of the rat. Journal of Neurochemistry, 2005, 93, 1132-1140.	2.1	34
100	Midbrain Dopaminergic Neuron Development at the Single Cell Level: In vivo and in Stem Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 463.	1.8	34
101	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.	1.8	32
102	Foxa2: The Rise and Fall of Dopamine Neurons. Cell Stem Cell, 2008, 2, 110-112.	5.2	32
103	Genetic interaction between <i>Lrp6</i> and <i>Wnt5a</i> during mouse development. Developmental Dynamics, 2010, 239, 237-245.	0.8	30
104	Efficient expansion and dopaminergic differentiation of human fetal ventral midbrain neural stem cells by midbrain morphogens. Neurobiology of Disease, 2013, 49, 118-127.	2.1	30
105	Dickkopf 3 Promotes the Differentiation of a Rostrolateral Midbrain Dopaminergic Neuronal Subset<i>In Vivo</i>and from Pluripotent Stem Cells<i>In Vitro</i>in the Mouse. Journal of Neuroscience, 2015, 35, 13385-13401.	1.7	30
106	24(S),25-Epoxycholesterol and cholesterol 24S-hydroxylase (CYP46A1) overexpression promote midbrain dopaminergic neurogenesis in vivo. Journal of Biological Chemistry, 2019, 294, 4169-4176.	1.6	30
107	Inhibition of canonical Wnt signaling promotes gliogenesis in P0-NSCs. Biochemical and Biophysical Research Communications, 2009, 386, 628-633.	1.0	29
108	Dopamine Receptor Antagonists Enhance Proliferation and Neurogenesis of Midbrain Lmx1a-expressing Progenitors. Scientific Reports, 2016, 6, 26448.	1.6	29

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109	Singleâ€cell RNAâ€seq analysis reveals the platinum resistance gene COX7B and the surrogate marker CD63. Cancer Medicine, 2018, 7, 6193-6204.	1.3	29
110	Additional pathways of sterol metabolism: Evidence from analysis of Cyp27a1â^'/â^' mouse brain and plasma. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 191-211.	1.2	29
111	Nerve Growth Factor and Basic Fibroblast Growth Factor Protect Cholinergic Neurons Against Quinolinic Acid Excitotoxicity in Rat Neostriatum. European Journal of Neuroscience, 1994, 6, 706-711.	1.2	28
112	Neurturin is a neuritogenic but not a survival factor for developing and adult central noradrenergic neurons. Journal of Neurochemistry, 2002, 81, 1318-1327.	2.1	24
113	BMP-2 and cAMP elevation confer locus coeruleus neurons responsiveness to multiple neurotrophic factors. Journal of Neurobiology, 2002, 50, 291-304.	3.7	23
114	Dkk1 Regulates Ventral Midbrain Dopaminergic Differentiation and Morphogenesis. PLoS ONE, 2011, 6, e15786.	1.1	23
115	Peptide-presenting two-dimensional protein matrix on supported lipid bilayers: An efficient platform for cell adhesion. Biointerphases, 2007, 2, 165-172.	0.6	22
116	Î±-Chemokines Regulate Proliferation, Neurogenesis, and Dopaminergic Differentiation of Ventral Midbrain Precursors and Neurospheres. Stem Cells, 2008, 26, 1891-1900.	1.4	22
117	Spatio-Temporal Expression Pattern of Frizzled Receptors after Contusive Spinal Cord Injury in Adult Rats. PLoS ONE, 2012, 7, e50793.	1.1	22
118	The Matricellular Protein R-Spondin 2 Promotes Midbrain Dopaminergic Neurogenesis and Differentiation. Stem Cell Reports, 2018, 11, 651-664.	2.3	22
119	Regulation of dopamine D2 receptor affinity by cholecystokinin octapeptide in fibroblast cells contransfected with human CCKB and D2L receptor cDNAs. Molecular Brain Research, 1996, 36, 292-299.	2.5	20
120	Wnt/Î²-Catenin Stimulation and Laminins Support Cardiovascular Cell Progenitor Expansion from Human Fetal Cardiac Mesenchymal Stromal Cells. Stem Cell Reports, 2016, 6, 607-617.	2.3	20
121	Srebf1 Controls Midbrain Dopaminergic Neurogenesis. Cell Reports, 2020, 31, 107601.	2.9	20
122	Increased Wnt levels in the neural tube impair the function of adherens junctions during neurulation. Molecular and Cellular Neurosciences, 2005, 30, 437-451.	1.0	19
123	The Ryk Receptor Is Expressed in Glial and Fibronectin-Expressing Cells after Spinal Cord Injury. Journal of Neurotrauma, 2013, 30, 806-817.	1.7	18
124	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.	2.7	18
125	WNT unrelated activities in commercially available preparations of recombinant WNT3a. Journal of Cellular Biochemistry, 2010, 111, 1077-1079.	1.2	17
126	GABAA and GABAB antagonists prevent the opioid inhibition of endogenous acetylcholine release evoked by glutamate from rat neostriatal slices. Neuroscience Letters, 1990, 120, 201-204.	1.0	16

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127	Mapping genes for calcium signaling and their associated human genetic disorders. Bioinformatics, 2017, 33, 2547-2554.	1.8	16
128	The tyrosine Y2502.39 in Frizzled 4 defines a conserved motif important for structural integrity of the receptor and recruitment of Disheveled. Cellular Signalling, 2017, 38, 85-96.	1.7	16
129	Transcriptional synergy as an emergent property defining cell subpopulation identity enables population shift. Nature Communications, 2018, 9, 2595.	5.8	16
130	BMPs, FGF8 and Wnts regulate the differentiation of locus coeruleus noradrenergic neuronal precursors. Journal of Neurochemistry, 2006, 99, 343-352.	2.1	15
131	Liver X receptors and cholesterol metabolism: role in ventral midbrain development and neurodegeneration. F1000prime Reports, 2015, 7, 37.	5.9	15
132	Selective resistance of tachykinin-responsive cholinergic neurons in the quinolinic acid lesioned neostriatum. Brain Research, 1993, 603, 317-320.	1.1	14
133	Mining for Oxysterols in Cyp7b1â˜'/â˜' Mouse Brain and Plasma: Relevance to Spastic Paraplegia Type 5. Biomolecules, 2019, 9, 149.	1.8	14
134	Graphene Oxide and Reduced Derivatives, as Powder or Film Scaffolds, Differentially Promote Dopaminergic Neuron Differentiation and Survival. Frontiers in Neuroscience, 2020, 14, 570409.	1.4	14
135	Cxcl12/Cxcr4 signaling controls the migration and process orientation of A9-A10 dopaminergic neurons. Journal of Cell Science, 2013, 126, e1-e1.	1.2	14
136	A Zeb2-miR-200c loop controls midbrain dopaminergic neuron neurogenesis and migration. Communications Biology, 2018, 1, 75.	2.0	13
137	Laminin Î±2 controls mouse and human stem cell behaviour during midbrain dopaminergic neuron development. Development (Cambridge), 2019, 146, .	1.2	13
138	MEIS-WNT5A axis regulates development of fourth ventricle choroid plexus. Development (Cambridge), 2021, 148, .	1.2	13
139	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, 653-663.	1.6	12
140	Striatopallidal neurons are selectively protected by neurturin in an excitotoxic model of Huntington's disease. Journal of Neurobiology, 2002, 50, 323-332.	3.7	12
141	Nerve growth factor and its receptor are differentially modified by chronic naltrexone treatment during rat brain development. Neuroscience Letters, 1993, 149, 47-50.	1.0	11
142	Method to combat Parkinsonâ€™s disease by astrocyte-to-neuron conversion. Nature, 2020, 582, 489-490.	13.7	11
143	Novel isoforms of the TFIID subunit TAF4 modulate nuclear receptor-mediated transcriptional activity. Biochemical and Biophysical Research Communications, 2004, 325, 574-579.	1.0	9
144	The T-type Ca2+ Channel Cav3.2 Regulates Differentiation of Neural Progenitor Cells during Cortical Development via Caspase-3. Neuroscience, 2019, 402, 78-89.	1.1	9

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145	The Cerebrospinal Fluid Profile of Cholesterol Metabolites in Parkinsonâ€™s Disease and Their Association With Disease State and Clinical Features. Frontiers in Aging Neuroscience, 2021, 13, 685594.	1.7	9
146	Transplantable midbrain dopamine neurons: A moving target. Experimental Neurology, 2010, 222, 173-178.	2.0	8
147	WNT signaling in midbrain dopaminergic neuron development and cell replacement therapies for Parkinsonâ€™s disease. SpringerPlus, 2015, 4, L49.	1.2	8
148	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.	1.8	5
149	Neostriatal dopaminergic terminals prevent the GABAergic involvement in the Î¼- and Î´-opioid inhibition of KCl-evoked endogenous acetylcholine release. Brain Research, 1991, 556, 349-352.	1.1	4
150	Control of tachykinin-evoked acetylcholine release from rat striatal slices by dopaminergic neurons. Naunyn-Schmiedeberg's Archives of Pharmacology, 1993, 348, 445-9.	1.4	3
151	Parkinsonâ€™s disease in the single-cell era. Nature Neuroscience, 2022, 25, 536-538.	7.1	3
152	Corrigendum to â€œThe Î²-chemokines CCL2 and CCL7 are two novel differentiation factors for midbrain dopaminergic precursors and neuronsâ€•[Exp. Cell Res. 314 (2008), pp. 2123â€“2130]. Experimental Cell Research, 2010, 316, 676-677.	1.2	0
153	Vang-like protein 2 and Rac1 interact to regulate adherens junctions. Development (Cambridge), 2010, 137, e406-e406.	1.2	0
154	Neurotrophins in Development of the Nervous System. , 1999, , 447-461.		0