Magdalena GÃ¶tz

List of Publications by Year
in descending order

202 papers	28,757 citations	3919 88 h-index	5663 162 g-index
210 all docs	210 docs citations	210 times ranked	22373 citing authors

#	Article	IF	Citations
1	The cell biology of neurogenesis. Nature Reviews Molecular Cell Biology, 2005, 6, 777-788.	16.1	1,809
2	Reactive astrocyte nomenclature, definitions, and future directions. Nature Neuroscience, 2021, 24, 312-325.	7.1	1,098
3	Glial cells generate neurons: the role of the transcription factor Pax6. Nature Neuroscience, 2002, 5, 308-315.	7.1	701
4	Origin and progeny of reactive gliosis: A source of multipotent cells in the injured brain. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 3581-3586.	3.3	690
5	Neuronal or Glial Progeny. Neuron, 2003, 37, 751-764.	3.8	677
6	Characterization of CNS Precursor Subtypes and Radial Glia. Developmental Biology, 2001, 229, 15-30.	0.9	670
7	Pax6 Controls Radial Glia Differentiation in the Cerebral Cortex. Neuron, 1998, 21, 1031-1044.	3.8	633
8	The Cell Biology of Neurogenesis: Toward an Understanding of the Development and Evolution of the Neocortex. Annual Review of Cell and Developmental Biology, 2014, 30, 465-502.	4.0	616
9	Neuronal fate determinants of adult olfactory bulb neurogenesis. Nature Neuroscience, 2005, 8, 865-872.	7.1	549
10	The stem cell potential of glia: lessons from reactive gliosis. Nature Reviews Neuroscience, 2011, 12, 88-104.	4.9	480
11	Expression of Cux-1 and Cux-2 in the subventricular zone and upper layers II-IV of the cerebral cortex. Journal of Comparative Neurology, 2004, 479, 168-180.	0.9	461
12	Progeny of Olig2-Expressing Progenitors in the Gray and White Matter of the Adult Mouse Cerebral Cortex. Journal of Neuroscience, 2008, 28, 10434-10442.	1.7	460
13	Directing Astroglia from the Cerebral Cortex into Subtype Specific Functional Neurons. PLoS Biology, 2010, 8, e1000373.	2.6	447
14	Signaling through BMPR-IA Regulates Quiescence and Long-Term Activity of Neural Stem Cells in the Adult Hippocampus. Cell Stem Cell, 2010, 7, 78-89.	5.2	417
15	Conserved and acquired features of adult neurogenesis in the zebrafish telencephalon. Developmental Biology, 2006, 295, 278-293.	0.9	387
16	Astrocytic Insulin Signaling Couples Brain Glucose Uptake with Nutrient Availability. Cell, 2016, 166, 867-880.	13.5	382
17	Inducible gene deletion in astroglia and radial glia-A valuable tool for functional and lineage analysis. Glia, 2006, 54, 21-34.	2.5	356
18	Expression pattern of the transcription factor Olig2 in response to brain injuries: Implications for neuronal repair. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 18183-18188.	3.3	350

#	Article	IF	Citations
19	The Rho-GTPase cdc42 regulates neural progenitor fate at the apical surface. Nature Neuroscience, 2006, 9, 1099-1107.	7.1	350
20	Deletion of TrkB in adult progenitors alters newborn neuron integration into hippocampal circuits and increases anxiety-like behavior. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 15570-15575.	3.3	350
21	Functional Properties of Neurons Derived from<i>In Vitro</i>Reprogrammed Postnatal Astroglia. Journal of Neuroscience, 2007, 27, 8654-8664.	1.7	344
22	Live imaging of astrocyte responses to acute injury reveals selective juxtavascular proliferation. Nature Neuroscience, 2013, 16, 580-586.	7.1	340
23	In Vivo Fate Mapping and Expression Analysis Reveals Molecular Hallmarks of Prospectively Isolated Adult Neural Stem Cells. Cell Stem Cell, 2010, 7, 744-758.	5.2	337
24	Reactive Glia in the Injured Brain Acquire Stem Cell Properties in Response to Sonic Hedgehog. Cell Stem Cell, 2013, 12, 426-439.	5.2	332
25	Radial glia: multi-purpose cells for vertebrate brain development. Trends in Neurosciences, 2002, 25, 235-238.	4.2	330
26	Adult generation of glutamatergic olfactory bulb interneurons. Nature Neuroscience, 2009, 12, 1524-1533.	7.1	325
27	Vasculature Guides Migrating Neuronal Precursors in the Adult Mammalian Forebrain via Brain-Derived Neurotrophic Factor Signaling. Journal of Neuroscience, 2009, 29, 4172-4188.	1.7	310
28	Radial glia diversity: A matter of cell fate. Glia, 2003, 43, 37-43.	2.5	307
29	Identification and Successful Negotiation of a Metabolic Checkpoint in Direct Neuronal Reprogramming. Cell Stem Cell, 2016, 18, 396-409.	5.2	307
30	Reprogramming of Pericyte-Derived Cells of the Adult Human Brain into Induced Neuronal Cells. Cell Stem Cell, 2012, 11, 471-476.	5.2	282
31	Sox2-Mediated Conversion of NG2 Glia into Induced Neurons in the Injured Adult Cerebral Cortex. Stem Cell Reports, 2014, 3, 1000-1014.	2.3	274
32	Progenitors in the adult cerebral cortex: Cell cycle properties and regulation by physiological stimuli and injury. Glia, 2011, 59, 869-881.	2.5	262
33	Radial Glial Cells. Neuron, 2005, 46, 369-372.	3.8	261
34	Mutations in genes encoding the cadherin receptor-ligand pair DCHS1 and FAT4 disrupt cerebral cortical development. Nature Genetics, 2013, 45, 1300-1308.	9.4	247
35	Radial glial cell heterogeneityâ€"The source of diverse progeny in the CNS. Progress in Neurobiology, 2007, 83, 2-23.	2.8	240
36	Trnp1 Regulates Expansion and Folding of the Mammalian Cerebral Cortex by Control of Radial Glial Fate. Cell, 2013, 153, 535-549.	13.5	238

#	Article	IF	Citations
37	Adult Neurogenesis Requires Smad4-Mediated Bone Morphogenic Protein Signaling in Stem Cells. Journal of Neuroscience, 2008, 28, 434-446.	1.7	228
38	Distinct Modes of Neuron Addition in Adult Mouse Neurogenesis. Journal of Neuroscience, 2007, 27, 10906-10911.	1.7	226
39	Reactive astrocytes as neural stem or progenitor cells: In vivo lineage, In vitro potential, and Genomeâ€wide expression analysis. Glia, 2015, 63, 1452-1468.	2.5	215
40	Glial Cells as Progenitors and Stem Cells: New Roles in the Healthy and Diseased Brain. Physiological Reviews, 2014, 94, 709-737.	13.1	214
41	Reelin signaling directly affects radial glia morphology and biochemical maturation. Development (Cambridge), 2003, 130, 4597-4609.	1.2	212
42	Radial glial cells as neuronal precursors: a new perspective on the correlation of morphology and lineage restriction in the developing cerebral cortex of mice. Brain Research Bulletin, 2002, 57, 777-788.	1.4	208
43	Formation of target-specific neuronal projections in organotypic slice cultures from rat visual cortex. Nature, 1990, 346, 359-362.	13.7	205
44	The BAF Complex Interacts with Pax6 in Adult Neural Progenitors to Establish a Neurogenic Cross-Regulatory Transcriptional Network. Cell Stem Cell, 2013, 13, 403-418.	5.2	196
45	Role of radial glial cells in cerebral cortex folding. Current Opinion in Neurobiology, 2014, 27, 39-46.	2.0	194
46	Bergmann Glial AMPA Receptors Are Required for Fine Motor Coordination. Science, 2012, 337, 749-753.	6.0	191
47	Stab wound injury of the zebrafish telencephalon: A model for comparative analysis of reactive gliosis. Glia, 2012, 60, 343-357.	2.5	189
48	Par-complex proteins promote proliferative progenitor divisions in the developing mouse cerebral cortex. Development (Cambridge), 2008, 135, 11-22.	1.2	188
49	Transcriptional Mechanisms of Proneural Factors and REST in Regulating Neuronal Reprogramming of Astrocytes. Cell Stem Cell, 2015, 17, 74-88.	5.2	187
50	A Dlx2- and Pax6-Dependent Transcriptional Code for Periglomerular Neuron Specification in the Adult Olfactory Bulb. Journal of Neuroscience, 2008, 28, 6439-6452.	1.7	185
51	Chondroitin sulfate glycosaminoglycans control proliferation, radial glia cell differentiation and neurogenesis in neural stem/progenitor cells. Development (Cambridge), 2007, 134, 2727-2738.	1.2	181
52	Transplantation reveals regional differences in oligodendrocyte differentiation in the adult brain. Nature Neuroscience, 2013, 16, 1370-1372.	7.1	181
53	Amplification of progenitors in the mammalian telencephalon includes a new radial glial cell type. Nature Communications, 2013, 4, 2125.	5.8	178
54	A Critical Period for Experience-Dependent Remodeling of Adult-Born Neuron Connectivity. Neuron, 2015, 85, 710-717.	3.8	176

#	Article	IF	Citations
55	The Novel Roles of Glial Cells Revisited: The Contribution of Radial Glia and Astrocytes to Neurogenesis. Current Topics in Developmental Biology, 2005, 69, 67-99.	1.0	174
56	Clonal analysis by distinct viral vectors identifies bona fide neural stem cells in the adult zebrafish telencephalon and characterizes their division properties and fate. Development (Cambridge), 2011, 138, 1459-1469.	1.2	170
57	Molecular dissection of Pax6 function: the specific roles of the paired domain and homeodomain in brain development. Development (Cambridge), 2004, 131, 6131-6140.	1.2	168
58	New approaches for brain repairâ€"from rescue to reprogramming. Nature, 2018, 557, 329-334.	13.7	167
59	Fast clonal expansion and limited neural stem cell self-renewal in the adult subependymal zone. Nature Neuroscience, 2015, 18, 490-492.	7.1	160
60	A Radial Glia-Specific Role of RhoA in Double Cortex Formation. Neuron, 2012, 73, 911-924.	3.8	157
61	Live imaging of adult neural stem cell behavior in the intact and injured zebrafish brain. Science, 2015, 348, 789-793.	6.0	156
62	Dynamic changes in myelin aberrations and oligodendrocyte generation in chronic amyloidosis in mice and men. Glia, 2013, 61, 273-286.	2.5	155
63	Direct Neuronal Reprogramming: Achievements, Hurdles, and New Roads to Success. Cell Stem Cell, 2017, 21, 18-34.	5.2	147
64	Continuous live imaging of adult neural stem cell division and lineage progression in vitro. Development (Cambridge), 2011, 138, 1057-1068.	1.2	139
65	Basement membrane attachment is dispensable for radial glial cell fate and for proliferation, but affects positioning of neuronal subtypes. Development (Cambridge), 2006, 133, 3245-3254.	1.2	138
66	Signaling in adult neurogenesis: from stem cell niche to neuronal networks. Current Opinion in Neurobiology, 2007, 17, 338-344.	2.0	135
67	Altered neuronal migratory trajectories in human cerebral organoids derived from individuals with neuronal heterotopia. Nature Medicine, 2019, 25, 561-568.	15.2	135
68	LRP2 in ependymal cells regulates BMP signaling in the adult neurogenic niche. Journal of Cell Science, 2010, 123, 1922-1930.	1.2	131
69	Transplanted embryonic neurons integrate into adult neocortical circuits. Nature, 2016, 539, 248-253.	13.7	130
70	Generation of subtype-specific neurons from postnatal astroglia of the mouse cerebral cortex. Nature Protocols, 2011, 6, 214-228.	5.5	126
71	Astroglial Glutamate Transporter Deficiency Increases Synaptic Excitability and Leads to Pathological Repetitive Behaviors in Mice. Neuropsychopharmacology, 2015, 40, 1569-1579.	2.8	126
72	Brain Area-Specific Effect of TGF-Î² Signaling on Wnt-Dependent Neural Stem Cell Expansion. Cell Stem Cell, 2008, 2, 472-483.	5.2	123

#	Article	IF	Citations
73	Neurogenesis in the Developing and Adult Brainâ€"Similarities and Key Differences. Cold Spring Harbor Perspectives in Biology, 2016, 8, a018853.	2.3	120
74	Loss- and gain-of-function analyses reveal targets of Pax6 in the developing mouse telencephalon. Molecular and Cellular Neurosciences, 2007, 34, 99-119.	1.0	119
75	Identification of midbrain floor plate radial gliaâ€like cells as dopaminergic progenitors. Glia, 2008, 56, 809-820.	2.5	119
76	Direct neuronal reprogramming: learning from and for development. Development (Cambridge), 2016, 143, 2494-2510.	1.2	112
77	The transcription factor Otx2 regulates choroid plexus development and function. Development (Cambridge), 2013, 140, 1055-1066.	1.2	109
78	Defining the Adult Neural Stem Cell Niche Proteome Identifies Key Regulators of Adult Neurogenesis. Cell Stem Cell, 2020, 26, 277-293.e8.	5.2	109
79	A restricted period for formation of outer subventricular zone defined by Cdh1 and Trnp1 levels. Nature Communications, 2016, 7, 11812.	5.8	108
80	Chondroitin Sulfates Are Required for Fibroblast Growth Factor-2-Dependent Proliferation and Maintenance in Neural Stem Cells and for Epidermal Growth Factor-Dependent Migration of Their Progeny. Stem Cells, 2010, 28, 775-787.	1.4	107
81	Astrocyte reactivity after brain injuryâ€": The role of galectins 1 and 3. Glia, 2015, 63, 2340-2361.	2.5	107
82	Inducing Different Neuronal Subtypes from Astrocytes in the Injured Mouse Cerebral Cortex. Neuron, 2019, 103, 1086-1095.e5.	3.8	106
83	Emx2 Promotes Symmetric Cell Divisions and a Multipotential Fate in Precursors from the Cerebral Cortex. Molecular and Cellular Neurosciences, 2001, 18, 485-502.	1.0	105
84	Conditional deletion of Î²1â€integrin in astroglia causes partial reactive gliosis. Glia, 2009, 57, 1630-1647.	2.5	103
85	AP2Î³ regulates basal progenitor fate in a region- and layer-specific manner in the developing cortex. Nature Neuroscience, 2009, 12, 1229-1237.	7.1	101
86	<i>In vivo</i> contribution of nestinâ€and GLASTâ€lineage cells to adult hippocampal neurogenesis. Hippocampus, 2013, 23, 708-719.	0.9	101
87	Meis2 is a Pax6 co-factor in neurogenesis and dopaminergic periglomerular fate specification in the adult olfactory bulb. Development (Cambridge), 2014, 141, 28-38.	1.2	99
88	The specific role of histone deacetylase 2 in adult neurogenesis. Neuron Glia Biology, 2010, 6, 93-107.	2.0	98
89	The Transcription Factor Pax6 Regulates Survival of Dopaminergic Olfactory Bulb Neurons via Crystallin Î±A. Neuron, 2010, 68, 682-694.	3.8	98
90	Crossâ€talk between monocyte invasion and astrocyte proliferation regulates scarring in brain injury. EMBO Reports, 2018, 19, .	2.0	98

#	Article	IF	Citations
91	Respiration-Deficient Astrocytes Survive As Glycolytic Cells<i>In Vivo</i>. Journal of Neuroscience, 2017, 37, 4231-4242.	1.7	97
92	The role of Pax6 in regulating the orientation and mode of cell division of progenitors in the mouse cerebral cortex. Development (Cambridge), 2011, 138, 5067-5078.	1.2	94
93	Glial control of neurogenesis. Current Opinion in Neurobiology, 2017, 47, 188-195.	2.0	93
94	Direct pericyte-to-neuron reprogramming via unfolding of a neural stem cell-like program. Nature Neuroscience, 2018, 21, 932-940.	7.1	93
95	Direct visualization of cell division using high-resolution imaging of M-phase of the cell cycle. Nature Communications, 2012, 3, 1076.	5.8	92
96	Neuronal replacement therapy: previous achievements and challenges ahead. Npj Regenerative Medicine, 2017, 2, 29.	2.5	92
97	Mcidas and GemC1/Lynkeas are key regulators for the generation of multiciliated ependymal cells in the adult neurogenic niche. Development (Cambridge), 2015, 142, 3661-74.	1.2	91
98	Selective Adhesion of Cells from Different Telencephalic Regions. Neuron, 1996, 16, 551-564.	3.8	89
99	Prospective isolation of functionally distinct radial glial subtypesâ€"Lineage and transcriptome analysis. Molecular and Cellular Neurosciences, 2008, 38, 15-42.	1.0	87
100	Tenascin-C Synthesis and Influence on Axonal Growth During Rat Cortical Development. European Journal of Neuroscience, 1997, 9, 496-506.	1.2	85
101	Formation and preservation of cortical layers in slice cultures. Journal of Neurobiology, 1992, 23, 783-802.	3.7	84
102	Sox10â€iCreER^{T2}: A mouse line to inducibly trace the neural crest and oligodendrocyte lineage. Genesis, 2012, 50, 506-515.	0.8	82
103	Epithelial Sodium Channel Regulates Adult Neural Stem Cell Proliferation in a Flow-Dependent Manner. Cell Stem Cell, 2018, 22, 865-878.e8.	5.2	81
104	Genetic Deletion of<i>Cdc42</i>Reveals a Crucial Role for Astrocyte Recruitment to the Injury Site<i>In Vitro</i>and<i>In Vivo</i>. Journal of Neuroscience, 2011, 31, 12471-12482.	1.7	77
105	Cortical progenitor biology: key features mediating proliferation versus differentiation. Journal of Neurochemistry, 2018, 146, 500-525.	2.1	77
106	Directing neurotransmitter identity of neurones derived from expanded adult neural stem cells. European Journal of Neuroscience, 2007, 25, 2581-2590.	1.2	76
107	Pax6 Interactions with Chromatin and Identification of Its Novel Direct Target Genes in Lens and Forebrain. PLoS ONE, 2013, 8, e54507.	1.1	72
108	Late Origin of Glia-Restricted Progenitors in the Developing Mouse Cerebral Cortex. Cerebral Cortex, 2009, 19, i135-i143.	1.6	70

#	Article	IF	Citations
109	Reconstructing cortical connections in a dish. Trends in Neurosciences, 1993, 16, 310-316.	4.2	68
110	What determines neurogenic competence in glia?. Brain Research Reviews, 2010, 63, 47-59.	9.1	68
111	Radial glia â€“ from boring cables to stem cell stars. Development (Cambridge), 2013, 140, 483-486.	1.2	68
112	Functional dissection of the paired domain of Pax6 reveals molecular mechanisms of coordinating neurogenesis and proliferation. Development (Cambridge), 2013, 140, 1123-1136.	1.2	67
113	The centrosome protein AKNA regulates neurogenesis via microtubule organization. Nature, 2019, 567, 113-117.	13.7	67
114	Sequential generation of olfactory bulb glutamatergic neurons by Neurog2-expressing precursor cells. Neural Development, 2011, 6, 12.	1.1	66
115	The Specification of Neuronal Fate: A Common Precursor for Neurotransmitter Subtypes in the Rat Cerebral Cortex In Vitro. European Journal of Neuroscience, 1995, 7, 889-898.	1.2	59
116	Wnt/Î²-Catenin Signaling Regulates Sequential Fate Decisions of Murine Cortical Precursor Cells. Stem Cells, 2015, 33, 170-182.	1.4	59
117	DNA-Methylation: Master or Slave of Neural Fate Decisions?. Frontiers in Neuroscience, 2018, 12, 5.	1.4	59
118	Prospective isolation of adult neural stem cells from the mouse subependymal zone. Nature Protocols, 2011, 6, 1981-1989.	5.5	58
119	Targeted removal of epigenetic barriers during transcriptional reprogramming. Nature Communications, 2019, 10, 2119.	5.8	58
120	Differentiation of Transmitter Phenotypes in Rat Cerebral Cortex. European Journal of Neuroscience, 1994, 6, 18-32.	1.2	57
121	Glial Cells Generate Neuronsâ€"Master Control within CNS Regions: Developmental Perspectives on Neural Stem Cells. Neuroscientist, 2003, 9, 379-397.	2.6	55
122	The Marginal Zone/Layer I as a Novel Niche for Neurogenesis and Gliogenesis in Developing Cerebral Cortex. Journal of Neuroscience, 2007, 27, 11376-11388.	1.7	55
123	Adult neural stem cell activation in mice is regulated by the day/night cycle and intracellular calcium dynamics. Cell, 2021, 184, 709-722.e13.	13.5	54
124	Choroid plexusâ€derived miRâ€204 regulates the number of quiescent neural stem cells in the adult brain. EMBO Journal, 2019, 38, e100481.	3.5	52
125	Modulation of Fate Determinants Olig2 and Pax6 in Resident Glia Evokes Spiking Neuroblasts in a Model of Mild Brain Ischemia. Stroke, 2010, 41, 2944-2949.	1.0	46
126	Neurotrophin Receptor-Mediated Death of Misspecified Neurons Generated from Embryonic Stem Cells Lacking Pax6. Cell Stem Cell, 2007, 1, 529-540.	5.2	45

#	Article	IF	Citations
127	Direct neuronal reprogramming: Fast forward from new concepts toward therapeutic approaches. Neuron, 2022, 110, 366-393.	3.8	45
128	Stem cells niches during developmentâ€"lessons from the cerebral cortex. Current Opinion in Neurobiology, 2010, 20, 400-407.	2.0	44
129	Using an adherent cell culture of the mouse subependymal zone to study the behavior of adult neural stem cells on a single-cell level. Nature Protocols, 2011, 6, 1847-1859.	5.5	43
130	Neuronal Network Formation from Reprogrammed Early Postnatal Rat Cortical Glial Cells. Cerebral Cortex, 2011, 21, 413-424.	1.6	43
131	A Primate-Specific Isoform of PLEKHG6 Regulates Neurogenesis and Neuronal Migration. Cell Reports, 2018, 25, 2729-2741.e6.	2.9	43
132	Brain repair from intrinsic cell sources. Progress in Brain Research, 2017, 230, 69-97.	0.9	42
133	Zac1 functions through TGFÎ²II to negatively regulate cell number in the developing retina. Neural Development, 2007, 2, 11.	1.1	41
134	Fate specification in the adult brain â€" lessons for eliciting neurogenesis from glial cells. BioEssays, 2013, 35, 242-252.	1.2	41
135	CRISPR-Mediated Induction of Neuron-Enriched Mitochondrial Proteins Boosts Direct Glia-to-Neuron Conversion. Cell Stem Cell, 2021, 28, 524-534.e7.	5.2	39
136	The regulation of cortical neurogenesis. Current Topics in Developmental Biology, 2021, 142, 1-66.	1.0	39
137	Guidance of Thalamocortical Axons by Growth-promoting Molecules in Developing Rat Cerebral Cortex. European Journal of Neuroscience, 1995, 7, 1963-1972.	1.2	37
138	PC3 overexpression affects the pattern of cell division of rat cortical precursors. Mechanisms of Development, 2000, 90, 17-28.	1.7	36
139	Time-Specific Effects of Spindle Positioning on Embryonic Progenitor Pool Composition and Adult Neural Stem Cell Seeding. Neuron, 2017, 93, 777-791.e3.	3.8	36
140	Restrictions in time and space â€" new insights into generation of specific neuronal subtypes in the adult mammalian brain. European Journal of Neuroscience, 2011, 33, 1045-1054.	1.2	35
141	Wnt Signaling Has Opposing Roles in the Developing and the Adult Brain That Are Modulated by Hipk1. Cerebral Cortex, 2012, 22, 2415-2427.	1.6	35
142	InÂVivo Targeting of Adult Neural Stem Cells in the Dentate Gyrus byÂaÂSplit-Cre Approach. Stem Cell Reports, 2014, 2, 153-162.	2.3	35
143	BM88 is an early marker of proliferating precursor cells that will differentiate into the neuronal lineage. European Journal of Neuroscience, 2004, 20, 2509-2523.	1.2	34
144	Cystatin B is essential for proliferation and interneuron migration in individuals with <scp>EPM</scp> 1 epilepsy. EMBO Molecular Medicine, 2020, 12, e11419.	3.3	32

#	ARTICLE	IF	CITATIONS
145	Dual Action of a Carbohydrate Epitope on Afferent and Efferent Axons in Cortical Development. Journal of Neuroscience, 1996, 16, 4195-4206.	1.7	29
146	The role of ÃŽÂ±-E-catenin in cerebral cortex development: radial glia specific effect on neuronal migration. Frontiers in Cellular Neuroscience, 2014, 8, 215.	1.8	29
147	The transcription factors Emx1 and Emx2 suppress choroid plexus development and promote neuroepithelial cell fate. Developmental Biology, 2006, 296, 239-252.	0.9	28
148	Expression of Ngn1, Ngn2, Cash1, Gsh2 and Sfrp1 in the developing chick telencephalon. Mechanisms of Development, 2002, 110, 249-252.	1.7	27
149	Cortical development: the art of generating cell diversity. Development (Cambridge), 2005, 132, 3327-3332.	1.2	27
150	One step generation of customizable gRNA vectors for multiplex CRISPR approaches through string assembly gRNA cloning (STAgR). PLoS ONE, 2018, 13, e0196015.	1.1	27
151	Molecular diversity of diencephalic astrocytes reveals adult astrogenesis regulated by Smad4. EMBO Journal, 2021, 40, e107532.	3.5	26
152	Parkinson's disease motor symptoms rescue by CRISPRaâ€reprogramming astrocytes into GABAergic neurons. EMBO Molecular Medicine, 2022, 14, e14797.	3.3	26
153	Spatial centrosome proteome of human neural cells uncovers disease-relevant heterogeneity. Science, 2022, 376, .	6.0	25
154	Development of vasoactive intestinal polypeptide (VIP)-containing neurons in organotypic slice cultures from rat visual cortex. Neuroscience Letters, 1989, 107, 6-11.	1.0	24
155	Influence of white matter injury on gray matter reactive gliosis upon stab wound in the adult murine cerebral cortex. Glia, 2018, 66, 1644-1662.	2.5	24
156	Reprogramming of Postnatal Astroglia of the Mouse Neocortex into Functional, Synapse-Forming Neurons. Methods in Molecular Biology, 2012, 814, 485-498.	0.4	23
157	Mob2 Insufficiency Disrupts Neuronal Migration in the Developing Cortex. Frontiers in Cellular Neuroscience, 2018, 12, 57.	1.8	23
158	EGF induces CREB and ERK activation at the wall of the mouse lateral ventricles. Brain Research, 2011, 1376, 31-41.	1.1	22
159	P-GAP-43 Is Enriched in Horizontal Cell Divisions throughout Rat Cortical Development. Cerebral Cortex, 2006, 16, i121-i131.	1.6	21
160	Heterogeneity of astrocytes: Electrophysiological properties of juxtavascular astrocytes before and after brain injury. Glia, 2021, 69, 346-361.	2.5	19
161	Editorial: To be glial or not-how glial are the precursors of neurons in development and adulthood?. Glia, 2003, 43, 1-3.	2.5	17
162	Changes in the Proliferative Program Limit Astrocyte Homeostasis in the Aged Post-Traumatic Murine Cerebral Cortex. Cerebral Cortex, 2017, 27, 4213-4228.	1.6	17

#	Article	IF	Citations
163	Neuronal replacement: Concepts, achievements, and call for caution. Current Opinion in Neurobiology, 2021, 69, 185-192.	2.0	17
164	CORALINA: a universal method for the generation of gRNA libraries for CRISPR-based screening. BMC Genomics, 2016, 17, 917.	1.2	16
165	Transient CREB-mediated transcription is key in direct neuronal reprogramming. Neurogenesis (Austin,) Tj ETQq1 1 0.784314 rgBT /Ove	1.5	16
166	Trnp1 organizes diverse nuclear membraneâ€less compartments in neural stem cells. EMBO Journal, 2020, 39, e103373.	3.5	16
167	Single-cell in vivo imaging of adult neural stem cells in the zebrafish telencephalon. Nature Protocols, 2016, 11, 1360-1370.	5.5	15
168	Go with the flow: signaling from the ventricle directs neuroblast migration. Nature Neuroscience, 2006, 9, 470-472.	7.1	13
169	How to make neuronsâ€"thoughts on the molecular logic of neurogenesis in the central nervous system. Cell and Tissue Research, 2015, 359, 5-16.	1.5	13
170	Cell tracking <i>in vitro</i> reveals that the extracellular matrix glycoprotein Tenascin-C modulates cell cycle length and differentiation in neural stem/progenitor cells of the developing mouse spinal cord. Biology Open, 2018, 7, .	0.6	13
171	Filling the Gaps â€" A Call for Comprehensive Analysis of Extracellular Matrix of the Glial Scar in Region- and Injury-Specific Contexts. Frontiers in Cellular Neuroscience, 2020, 14, 32.	1.8	12
172	Brain injury environment critically influences the connectivity of transplanted neurons. Science Advances, 2022, 8, .	4.7	12
173	Doublecortin finds its place. Nature Neuroscience, 2003, 6, 1245-1247.	7.1	11
174	Long-term genetic fate mapping of adult generated neurons in a mouse temporal lobe epilepsy model. Neurobiology of Disease, 2012, 48, 454-463.	2.1	11
175	Functional dissection of the Pax6 paired domain: Roles in neural tube patterning and peripheral nervous system development. Developmental Biology, 2016, 413, 86-103.	0.9	9
176	Repetitive injury and absence of monocytes promote astrocyte selfâ€renewal and neurological recovery. Glia, 2021, 69, 165-181.	2.5	9
177	Understanding direct neuronal reprogramming â€" from pioneer factors to 3D chromatin. Current Opinion in Genetics and Development, 2018, 52, 65-69.	1.5	8
178	Epigenetic regulation of neural lineage elaboration: Implications for therapeutic reprogramming. Neurobiology of Disease, 2021, 148, 105174.	2.1	8
179	Brain gray matter astroglia-specific connexin 43 ablation attenuates spinal cord inflammatory demyelination. Journal of Neuroinflammation, 2021, 18, 126.	3.1	8
180	Radial Glial Cells. , 2013, , .		8

#	Article	IF	Citations
181	The extracellular matrix molecule tenascin-C modulates cell cycle progression and motility of adult neural stem/progenitor cells from the subependymal zone. Cellular and Molecular Life Sciences, 2022, 79, 244.	2.4	8
182	Revising concepts about adult stem cells. Science, 2018, 359, 639-640.	6.0	7
183	Mechanisms to Establish Specific Thalamocortical Connections in the Developing Brain. , 1992, , 179-192.		7
184	Molecular Signature of Astrocytes for Gene Delivery by the Synthetic Adenoâ€Associated Viral Vector rAAV9P1. Advanced Science, 2022, 9, e2104979.	5.6	7
185	Shaping barrels: activity moves NG2+ glia. Nature Neuroscience, 2012, 15, 1176-1178.	7.1	6
186	Centrosome heterogeneity in stem cells regulates cell diversity. Trends in Cell Biology, 2022, 32, 707-719.	3.6	6
187	Cell fate and axonal projections from the cerebral cortex. Seminars in Developmental Biology, 1994, 5, 359-369.	1.3	5
188	Excessive local host-graft connectivity in aging and amyloid-loaded brain. Science Advances, 2022, 8, .	4.7	5
189	Programming and reprogramming the brain: a meeting of minds in neural fate. Development (Cambridge), 2017, 144, 2714-2718.	1.2	4
190	Potential of Glial Cells. , 2013, , 347-361.		4
191	Innate Immune Pathways Promote Oligodendrocyte Progenitor Cell Recruitment to the Injury Site in Adult Zebrafish Brain. Cells, 2022, 11, 520.	1.8	4
192	A Time and Place for Understanding Neural Stem Cell Specification. Developmental Cell, 2014, 30, 114-115.	3.1	3
193	The Generation of Cellular Diversity in the Cerebral Cortex. Novartis Foundation Symposium, 1995, 193, 71-84.	1.2	3
194	Making glutamatergic neurons from GABAergic progenitors. Nature Neuroscience, 2010, 13, 1308-1309.	7.1	2
195	Non-codon Optimized PiggyBac Transposase Induces Developmental Brain Aberrations: A Call for in vivo Analysis. Frontiers in Cell and Developmental Biology, 2021, 9, 698002.	1.8	2
196	Cryo-section Dissection of the Adult Subependymal Zone for Accurate and Deep Quantitative Proteome Analysis. Journal of Visualized Experiments, 2021, , .	0.2	2
197	The Role of Pax6 in the Nervous System during Development and in Adulthood: Master Control Regulator or Modular Function?. , 2006, , 23-51.		1
198	Gliazellen bilden Nervenzellen - Radiale Glia als Stammzellen des ZNS von Vertebraten. E-Neuroforum, 2001, 7, 3-10.	0.2	0

#	Article	IF	Citations
199	Brain development: glial cells generate neurons â€“ implications for neuropsychiatric disorders. , 2003, , 59-73.		0
200	Glial stem and progenitor cells shape the brainâ€”in ontogeny, phylogeny, and disease. Glia, 2015, 63, 1288-1290.	2.5	0
201	Editorial overview: Fluidity of cell fates â€“ from reprogramming to repair. Current Opinion in Genetics and Development, 2021, 70, iii-v.	1.5	0
202	Glial Cells as the Source of Neurons and Glia in the Developing and Adult CNS. Journal of Medical Sciences, 2008, 1, 114-128.	0.2	0