

Steven A Goldman

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160
papers

21,762
citations

72
h-index

147
g-index

171
ext. papers

25,244
ext. citations

14.1
avg, IF

6.89
L-index

#	Paper	IF	Citations
160	A paravascular pathway facilitates CSF flow through the brain parenchyma and the clearance of interstitial solutes, including amyloid β . <i>Science Translational Medicine</i> , 2012 , 4, 147ra111	17.5	2312
159	New roles for astrocytes: redefining the functional architecture of the brain. <i>Trends in Neurosciences</i> , 2003 , 26, 523-30	13.3	982
158	Uniquely hominid features of adult human astrocytes. <i>Journal of Neuroscience</i> , 2009 , 29, 3276-87	6.6	822
157	Astrocyte-mediated potentiation of inhibitory synaptic transmission. <i>Nature Neuroscience</i> , 1998 , 1, 683-92	25.5	689
156	Functional engraftment of human ES cell-derived dopaminergic neurons enriched by coculture with telomerase-immortalized midbrain astrocytes. <i>Nature Medicine</i> , 2006 , 12, 1259-68	50.5	677
155	Coordinated interaction of neurogenesis and angiogenesis in the adult songbird brain. <i>Neuron</i> , 2002 , 34, 945-60	13.9	639
154	Identification and isolation of multipotential neural progenitor cells from the subcortical white matter of the adult human brain. <i>Nature Medicine</i> , 2003 , 9, 439-47	50.5	619
153	Astrocytic complexity distinguishes the human brain. <i>Trends in Neurosciences</i> , 2006 , 29, 547-53	13.3	490
152	In vitro neurogenesis by progenitor cells isolated from the adult human hippocampus. <i>Nature Medicine</i> , 2000 , 6, 271-7	50.5	484
151	Adenoviral brain-derived neurotrophic factor induces both neostriatal and olfactory neuronal recruitment from endogenous progenitor cells in the adult forebrain. <i>Journal of Neuroscience</i> , 2001 , 21, 6718-31	6.6	425
150	Human iPSC-derived oligodendrocyte progenitor cells can myelinate and rescue a mouse model of congenital hypomyelination. <i>Cell Stem Cell</i> , 2013 , 12, 252-64	18	416
149	P2X7 receptor inhibition improves recovery after spinal cord injury. <i>Nature Medicine</i> , 2004 , 10, 821-7	50.5	411
148	Forebrain engraftment by human glial progenitor cells enhances synaptic plasticity and learning in adult mice. <i>Cell Stem Cell</i> , 2013 , 12, 342-53	18	407
147	Gap-junction-mediated propagation and amplification of cell injury. <i>Nature Neuroscience</i> , 1998 , 1, 494-500	25.5	403
146	The transcriptome and metabolic gene signature of protoplasmic astrocytes in the adult murine cortex. <i>Journal of Neuroscience</i> , 2007 , 27, 12255-66	6.6	376
145	Heterogeneity of astrocytic form and function. <i>Methods in Molecular Biology</i> , 2012 , 814, 23-45	1.4	373
144	Fetal and adult human oligodendrocyte progenitor cell isolates myelinate the congenitally dysmyelinated brain. <i>Nature Medicine</i> , 2004 , 10, 93-7	50.5	355

143	Endothelial trophic support of neuronal production and recruitment from the adult mammalian subependyma. <i>Molecular and Cellular Neurosciences</i> , 1999 , 13, 450-64	4.8	340
142	Systemic administration of an antagonist of the ATP-sensitive receptor P2X7 improves recovery after spinal cord injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 12489-93	11.5	332
141	Zika Virus NS4A and NS4B Proteins Deregulate Akt-mTOR Signaling in Human Fetal Neural Stem Cells to Inhibit Neurogenesis and Induce Autophagy. <i>Cell Stem Cell</i> , 2016 , 19, 663-671	18	310
140	Reactive astrocyte nomenclature, definitions, and future directions. <i>Nature Neuroscience</i> , 2021 , 24, 312-325	33.5	298
139	Nestin-EGFP transgenic mice: visualization of the self-renewal and multipotency of CNS stem cells. <i>Molecular and Cellular Neurosciences</i> , 2001 , 17, 259-73	4.8	275
138	Nitric oxide negatively regulates mammalian adult neurogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 9566-71	11.5	273
137	Neonatal chimerization with human glial progenitor cells can both remyelinate and rescue the otherwise lethally hypomyelinated shiverer mouse. <i>Cell Stem Cell</i> , 2008 , 2, 553-65	18	243
136	Fibroblast growth factor-2/brain-derived neurotrophic factor-associated maturation of new neurons generated from adult human subependymal cells. <i>Annals of Neurology</i> , 1998 , 43, 576-85	9.4	242
135	Glioma stem cell proliferation and tumor growth are promoted by nitric oxide synthase-2. <i>Cell</i> , 2011 , 146, 53-66	56.2	240
134	Identification, isolation, and promoter-defined separation of mitotic oligodendrocyte progenitor cells from the adult human subcortical white matter. <i>Journal of Neuroscience</i> , 1999 , 19, 9986-95	6.6	218
133	Stem cell therapy. Use of differentiated pluripotent stem cells as replacement therapy for treating disease. <i>Science</i> , 2014 , 345, 1247391	33.3	206
132	Hu protein as an early marker of neuronal phenotypic differentiation by subependymal zone cells of the adult songbird forebrain. <i>Journal of Neurobiology</i> , 1995 , 28, 82-101		198
131	Connexin 43 enhances the adhesivity and mediates the invasion of malignant glioma cells. <i>Journal of Neuroscience</i> , 2002 , 22, 4302-11	6.6	192
130	Non-stem cell origin for oligodendroglioma. <i>Cancer Cell</i> , 2010 , 18, 669-82	24.3	183
129	Generation of dopaminergic neurons in the adult brain from mesencephalic precursor cells labeled with a nestin-GFP transgene. <i>Journal of Neuroscience</i> , 2001 , 21, 3895-903	6.6	180
128	Gap junctions are required for the propagation of spreading depression. <i>Journal of Neurobiology</i> , 1995 , 28, 433-44		165
127	Purinergic receptor P2RY12-dependent microglial closure of the injured blood-brain barrier. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 1074-9	11.5	156
126	High-yield selection and extraction of two promoter-defined phenotypes of neural stem cells from the fetal human brain. <i>Nature Biotechnology</i> , 2001 , 19, 843-50	44.5	155

125	Promoter-targeted selection and isolation of neural progenitor cells from the adult human ventricular zone. <i>Journal of Neuroscience Research</i> , 2000 , 59, 321-31	4.4	155
124	Glymphatic failure as a final common pathway to dementia. <i>Science</i> , 2020 , 370, 50-56	33.3	155
123	Adenovirally expressed noggin and brain-derived neurotrophic factor cooperate to induce new medium spiny neurons from resident progenitor cells in the adult striatal ventricular zone. <i>Journal of Neuroscience</i> , 2004 , 24, 2133-42	6.6	154
122	Progenitor cells derived from the adult human subcortical white matter disperse and differentiate as oligodendrocytes within demyelinated lesions of the rat brain. <i>Journal of Neuroscience Research</i> , 2002 , 69, 966-75	4.4	152
121	Adrenoceptors in brain: cellular gene expression and effects on astrocytic metabolism and [Ca(2+)] _i . <i>Neurochemistry International</i> , 2010 , 57, 411-20	4.4	146
120	SOX9 Is an Astrocyte-Specific Nuclear Marker in the Adult Brain Outside the Neurogenic Regions. <i>Journal of Neuroscience</i> , 2017 , 37, 4493-4507	6.6	144
119	CD140a identifies a population of highly myelinogenic, migration-competent and efficiently engrafting human oligodendrocyte progenitor cells. <i>Nature Biotechnology</i> , 2011 , 29, 934-41	44.5	144
118	Human iPSC Glial Mouse Chimeras Reveal Glial Contributions to Schizophrenia. <i>Cell Stem Cell</i> , 2017 , 21, 195-208.e6	18	143
117	Purinergic signaling regulates neural progenitor cell expansion and neurogenesis. <i>Developmental Biology</i> , 2007 , 302, 356-66	3.1	141
116	Stem and Progenitor Cell-Based Therapy of the Central Nervous System: Hopes, Hype, and Wishful Thinking. <i>Cell Stem Cell</i> , 2016 , 18, 174-88	18	140
115	How to make an oligodendrocyte. <i>Development (Cambridge)</i> , 2015 , 142, 3983-95	6.6	137
114	The effects of extracellular acidosis on neurons and glia in vitro. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 1989 , 9, 471-7	7.3	137
113	Adult neurogenesis: From canaries to the clinic 1998 , 36, 267-286		133
112	Glial progenitor cell-based treatment and modeling of neurological disease. <i>Science</i> , 2012 , 338, 491-5	33.3	132
111	Implications of the discovery of brain lymphatic pathways. <i>Lancet Neurology, The</i> , 2015 , 14, 977-9	24.1	127
110	Telomerase immortalization of neuronally restricted progenitor cells derived from the human fetal spinal cord. <i>Nature Biotechnology</i> , 2004 , 22, 297-305	44.5	124
109	A Distinct Population of Microglia Supports Adult Neurogenesis in the Subventricular Zone. <i>Journal of Neuroscience</i> , 2015 , 35, 11848-61	6.6	123
108	Perivascular instruction of cell genesis and fate in the adult brain. <i>Nature Neuroscience</i> , 2011 , 14, 1382-925.5		121

107	Glia Disease and Repair-Remyelination. <i>Cold Spring Harbor Perspectives in Biology</i> , 2015 , 7, a020594	10.2	118
106	Strategies utilized by migrating neurons of the postnatal vertebrate forebrain. <i>Trends in Neurosciences</i> , 1998 , 21, 107-14	13.3	115
105	Angiogenic inhibition reduces germinal matrix hemorrhage. <i>Nature Medicine</i> , 2007 , 13, 477-85	50.5	114
104	Complementary patterns of gene expression by human oligodendrocyte progenitors and their environment predict determinants of progenitor maintenance and differentiation. <i>Annals of Neurology</i> , 2006 , 59, 763-79	9.4	111
103	Estrogens and non-estrogenic ovarian influences combine to promote the recruitment and decrease the turnover of new neurons in the adult female canary brain. <i>Journal of Neurobiology</i> , 1995 , 27, 470-87		111
102	Induction of neostriatal neurogenesis slows disease progression in a transgenic murine model of Huntington disease. <i>Journal of Clinical Investigation</i> , 2007 , 117, 2889-902	15.9	109
101	Human glia can both induce and rescue aspects of disease phenotype in Huntington disease. <i>Nature Communications</i> , 2016 , 7, 11758	17.4	105
100	Cell-based therapeutic strategies for multiple sclerosis. <i>Brain</i> , 2017 , 140, 2776-2796	11.2	102
99	Unravelling and Exploiting Astrocyte Dysfunction in Huntington's Disease. <i>Trends in Neurosciences</i> , 2017 , 40, 422-437	13.3	95
98	N-cadherin and Ng-CAM/8D9 are involved serially in the migration of newly generated neurons into the adult songbird brain. <i>Neuron</i> , 1994 , 13, 567-82	13.9	93
97	A competitive advantage by neonatally engrafted human glial progenitors yields mice whose brains are chimeric for human glia. <i>Journal of Neuroscience</i> , 2014 , 34, 16153-61	6.6	89
96	Defective glial maturation in vanishing white matter disease. <i>Journal of Neuropathology and Experimental Neurology</i> , 2011 , 70, 69-82	3.1	82
95	CSIG-17. SIGNALING PATHWAY-BASED CLUSTERING OF MASS CYTOMETRY DATA UNCOVERS CELLS ASSOCIATED WITH CLINICAL PROGRESSION IN GLIOBLASTOMA. <i>Neuro-Oncology</i> , 2019 , 21, vi47-vi47	1	78
94	CSIG-16. RECONCILING TUMOR HETEROGENEITY IN GLIOBLASTOMA USING A PATHWAY-BASED APPROACH. <i>Neuro-Oncology</i> , 2019 , 21, vi47-vi47	1	78
93	CSIG-22. RECONCILING TUMOR HETEROGENEITY IN GLIOBLASTOMA USING A PATHWAY-BASED APPROACH. <i>Neuro-Oncology</i> , 2018 , 20, vi47-vi47	1	78
92	OTEH-8. Pathway-based approach reveals sensitivity to radiation when targeting E2F1 in Glioblastoma. <i>Neuro-Oncology Advances</i> , 2021 , 3, ii12-ii12	0.9	78
91	Dual regulatory switch through interactions of Tcf7l2/Tcf4 with stage-specific partners propels oligodendroglial maturation. <i>Nature Communications</i> , 2016 , 7, 10883	17.4	76
90	Neural stem and progenitor cells: a strategy for gene therapy and brain repair. <i>Neurosurgery</i> , 1998 , 42, 858-67; discussion 867-8	3.2	74

89	Isolation of neuronal precursors by sorting embryonic forebrain transfected with GFP regulated by the T alpha 1 tubulin promoter. <i>Nature Biotechnology</i> , 1998 , 16, 196-201	44.5	73
88	Ethics: Moral issues of human-non-human primate neural grafting. <i>Science</i> , 2005 , 309, 385-6	33.3	71
87	Identification and characterization of neuronal precursors and their progeny from human fetal tissue. <i>Journal of Neuroscience Research</i> , 2001 , 66, 356-68	4.4	68
86	Neuronal precursors of the adult rat subependymal zone persist into senescence, with no decline in spatial extent or response to BDNF. <i>Journal of Neurobiology</i> , 1997 , 32, 554-66		63
85	Whole genome analysis of human neural stem cells derived from embryonic stem cells and stem and progenitor cells isolated from fetal tissue. <i>Stem Cells</i> , 2007 , 25, 1298-306	5.8	63
84	Hdac3 Interaction with p300 Histone Acetyltransferase Regulates the Oligodendrocyte and Astrocyte Lineage Fate Switch. <i>Developmental Cell</i> , 2016 , 36, 316-30	10.2	62
83	Glial cells in schizophrenia: a unified hypothesis. <i>Lancet Psychiatry</i> , 2020 , 7, 272-281	23.3	61
82	Neurocytoma is a tumor of adult neuronal progenitor cells. <i>Journal of Neuroscience</i> , 2006 , 26, 12544-55	6.6	59
81	3K3A-activated protein C stimulates postischemic neuronal repair by human neural stem cells in mice. <i>Nature Medicine</i> , 2016 , 22, 1050-5	50.5	54
80	Cell replacement therapy in neurological disease. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006 , 361, 1463-75	5.8	53
79	Direct isolation of committed neuronal progenitor cells from transgenic mice coexpressing spectrally distinct fluorescent proteins regulated by stage-specific neural promoters. <i>Journal of Neuroscience Research</i> , 2001 , 65, 220-7	4.4	53
78	Identification of a conserved 125 base-pair Hb9 enhancer that specifies gene expression to spinal motor neurons. <i>Developmental Biology</i> , 2005 , 283, 474-85	3.1	52
77	Ependymal/subependymal zone cells of postnatal and adult songbird brain generate both neurons and nonneuronal siblings in vitro and in vivo. <i>Journal of Neurobiology</i> , 1996 , 30, 505-20		50
76	Squamous cell carcinoma as a late complication of intracerebroventricular epidermoid cyst. Case report. <i>Journal of Neurosurgery</i> , 1987 , 66, 618-20	3.2	50
75	Human glial chimeric mice reveal astrocytic dependence of JC virus infection. <i>Journal of Clinical Investigation</i> , 2014 , 124, 5323-36	15.9	49
74	Fine-tuning the central nervous system: microglial modelling of cells and synapses. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014 , 369, 20130593	5.8	48
73	Cellular therapy and induced neuronal replacement for Huntington's disease. <i>Neurotherapeutics</i> , 2011 , 8, 577-90	6.4	48
72	5-HT2B receptors are expressed on astrocytes from brain and in culture and are a chronic target for all five conventional serotonin-specific reuptake inhibitors. <i>Neuron Glia Biology</i> , 2010 , 6, 113-25		47

71	Glucocorticoids-potent modulators of astrocytic calcium signaling. <i>Glia</i> , 1999 , 28, 1-12	9	47
70	Fate determination of adult human glial progenitor cells. <i>Neuron Glia Biology</i> , 2009 , 5, 45-55		45
69	An activated protein C analog stimulates neuronal production by human neural progenitor cells via a PAR1-PAR3-S1PR1-Akt pathway. <i>Journal of Neuroscience</i> , 2013 , 33, 6181-90	6.6	44
68	Sustained mobilization of endogenous neural progenitors delays disease progression in a transgenic model of Huntington's disease. <i>Cell Stem Cell</i> , 2013 , 12, 787-99	18	44
67	Modeling the Mutational and Phenotypic Landscapes of Pelizaeus-Merzbacher Disease with Human iPSC-Derived Oligodendrocytes. <i>American Journal of Human Genetics</i> , 2017 , 100, 617-634	11	43
66	Prospects of cell therapy for disorders of myelin. <i>Annals of the New York Academy of Sciences</i> , 2008 , 1142, 218-49	6.5	43
65	Human embryonic stem cell-derived motor neurons expressing SOD1 mutants exhibit typical signs of motor neuron degeneration linked to ALS. <i>DMM Disease Models and Mechanisms</i> , 2009 , 2, 189-95	4.1	41
64	Pleiotrophin suppression of receptor protein tyrosine phosphatase- β maintains the self-renewal competence of fetal human oligodendrocyte progenitor cells. <i>Journal of Neuroscience</i> , 2012 , 32, 15066-75	6.6	39
63	Meningeal cells can communicate with astrocytes by calcium signaling. <i>Annals of Neurology</i> , 2000 , 47, 18-25	9.4	39
62	Brain-derived neurotrophic factor signaling in the HVC is required for testosterone-induced song of female canaries. <i>Journal of Neuroscience</i> , 2009 , 29, 15511-9	6.6	38
61	Transient coupling of Ng-CAM expression to NgCAM-dependent calcium signaling during migration of new neurons in the adult songbird brain. <i>Molecular and Cellular Neurosciences</i> , 1996 , 7, 29-45	4.8	38
60	Insulin-like growth factor-1 is a radial cell-associated neurotrophin that promotes neuronal recruitment from the adult songbird ependyma/subependyma. <i>Journal of Neurobiology</i> , 1998 , 36, 1-15		37
59	Statin treatment of adult human glial progenitors induces PPAR gamma-mediated oligodendrocytic differentiation. <i>Glia</i> , 2008 , 56, 954-62	9	37
58	Oligodendrocyte Death in Pelizaeus-Merzbacher Disease Is Rescued by Iron Chelation. <i>Cell Stem Cell</i> , 2019 , 25, 531-541.e6	18	36
57	BRAIN DRAIN. <i>Scientific American</i> , 2016 , 314, 44-9	0.5	35
56	Disease specific therapies in leukodystrophies and leukoencephalopathies. <i>Molecular Genetics and Metabolism</i> , 2015 , 114, 527-36	3.7	35
55	Testosterone-induced matrix metalloproteinase activation is a checkpoint for neuronal addition to the adult songbird brain. <i>Journal of Neuroscience</i> , 2008 , 28, 208-16	6.6	34
54	Promoter-based isolation and fluorescence-activated sorting of mitotic neuronal progenitor cells from the adult mammalian ependymal/subependymal zone. <i>Developmental Neuroscience</i> , 2000 , 22, 167-76	2.2	34

53	Migration of newly generated neurons upon ependymally derived radial guide cells in explant cultures of the adult songbird forebrain. <i>Glia</i> , 1993 , 8, 150-60	9	33
52	Human ESC-Derived Chimeric Mouse Models of Huntington ^B Disease Reveal Cell-Intrinsic Defects in Glial Progenitor Cell Differentiation. <i>Cell Stem Cell</i> , 2019 , 24, 107-122.e7	18	33
51	Prospective identification, isolation, and profiling of a telomerase-expressing subpopulation of human neural stem cells, using sox2 enhancer-directed fluorescence-activated cell sorting. <i>Journal of Neuroscience</i> , 2010 , 30, 14635-48	6.6	32
50	Modeling cognition and disease using human glial chimeric mice. <i>Glia</i> , 2015 , 63, 1483-93	9	30
49	Stem cell-based strategies for treating pediatric disorders of myelin. <i>Human Molecular Genetics</i> , 2008 , 17, R76-83	5.6	30
48	Estrogen promotes the initial migration and inception of NgCAM-dependent calcium-signaling by new neurons of the adult songbird brain. <i>Molecular and Cellular Neurosciences</i> , 1999 , 13, 41-55	4.8	28
47	Identification of novel tumor-associated cell surface sialoglycoproteins in human glioblastoma tumors using quantitative proteomics. <i>PLoS ONE</i> , 2014 , 9, e110316	3.7	28
46	Newly generated neurons of the adult songbird brain become functionally active in long-term culture. <i>Developmental Brain Research</i> , 1992 , 68, 217-23		27
45	Progenitor cell-based treatment of the pediatric myelin disorders. <i>Archives of Neurology</i> , 2011 , 68, 848-56		26
44	Augmented therapeutic efficacy of an oncolytic herpes simplex virus type 1 mutant expressing ICP34.5 under the transcriptional control of musashi1 promoter in the treatment of malignant glioma. <i>Human Gene Therapy</i> , 2007 , 18, 63-73	4.8	23
43	Concise Review: Stem Cell-Based Treatment of Pelizaeus-Merzbacher Disease. <i>Stem Cells</i> , 2017 , 35, 311-315	3.85	22
42	Retrovirally mediated telomerase immortalization of neural progenitor cells. <i>Nature Protocols</i> , 2007 , 2, 2815-25	18.8	22
41	Neurogenetics of Pelizaeus-Merzbacher disease. <i>Handbook of Clinical Neurology / Edited By P J Vinken and G W Bruyn</i> , 2018 , 148, 701-722	3	20
40	Neural Progenitor Cells of the Adult Brain. <i>Novartis Foundation Symposium</i> , 2008 , 66-91		20
39	Dysregulated Glial Differentiation in Schizophrenia May Be Relieved by Suppression of SMAD4- and REST-Dependent Signaling. <i>Cell Reports</i> , 2019 , 27, 3832-3843.e6	10.6	19
38	Conservation and divergence of vulnerability and responses to stressors between human and mouse astrocytes. <i>Nature Communications</i> , 2021 , 12, 3958	17.4	19
37	Review : Neuronal Precursor Cells and Neurogenesis in the Adult Forebrain. <i>Neuroscientist</i> , 1995 , 1, 338-350	3.50	18
36	The Zika Virus Capsid Disrupts Corticogenesis by Suppressing Dicer Activity and miRNA Biogenesis. <i>Cell Stem Cell</i> , 2020 , 27, 618-632.e9	18	18

35	The Challenges of First-in-Human Stem Cell Clinical Trials: What Does This Mean for Ethics and Institutional Review Boards?. <i>Stem Cell Reports</i> , 2018 , 10, 1429-1431	8	17
34	Neural progenitor cells of the adult brain. <i>Novartis Foundation Symposium</i> , 2005 , 265, 66-80; discussion 82-97		17
33	Neural precursors and neuronal production in the adult mammalian forebrain. <i>Annals of the New York Academy of Sciences</i> , 1997 , 835, 30-55	6.5	14
32	Directed mobilization of endogenous neural progenitor cells: the intersection of stem cell biology and gene therapy. <i>Current Opinion in Molecular Therapeutics</i> , 2004 , 6, 466-72		14
31	Induced neurogenesis by endogenous progenitor cells in the adult mammalian brain. <i>Progress in Brain Research</i> , 2002 , 138, 451-64	2.9	13
30	Human Glial Progenitor Cells Effectively Remyelinate the Demyelinated Adult Brain. <i>Cell Reports</i> , 2020 , 31, 107658	10.6	12
29	Astrocytic connexin 43 potentiates myelin injury in ischemic white matter disease. <i>Theranostics</i> , 2019 , 9, 4474-4493	12.1	12
28	Diagnosis and management of left main stem bronchus compression. <i>Annals of Otology, Rhinology and Laryngology</i> , 1997 , 106, 461-5	2.1	12
27	Large stem cell grafts could lead to erroneous interpretations of behavioral results?. <i>Nature Medicine</i> , 2007 , 13, 118-9	50.5	11
26	Cell-Based Therapy for Canavan Disease Using Human iPSC-Derived NPCs and OPCs. <i>Advanced Science</i> , 2020 , 7, 2002155	13.6	11
25	Glial progenitor cell-based treatment of the childhood leukodystrophies. <i>Experimental Neurology</i> , 2016 , 283, 476-88	5.7	11
24	Progenitor cell-based treatment of glial disease. <i>Progress in Brain Research</i> , 2017 , 231, 165-189	2.9	10
23	Human Glial Chimeric Mice to Define the Role of Glial Pathology in Human Disease. <i>Methods in Molecular Biology</i> , 2019 , 1936, 311-331	1.4	10
22	White matter from fibroblasts. <i>Nature Biotechnology</i> , 2013 , 31, 412-3	44.5	8
21	Isolation and induction of adult neural progenitor cells. <i>Clinical Neuroscience Research</i> , 2002 , 2, 70-79		8
20	Direct Reprogramming of Human Fetal- and Stem Cell-Derived Glial Progenitor Cells into Midbrain Dopaminergic Neurons. <i>Stem Cell Reports</i> , 2020 , 15, 869-882	8	7
19	Adult neurogenesis: From canaries to the clinic 1998 , 36, 267		6
18	Human iPSC-derived neural precursor cells differentiate into multiple cell types to delay disease progression following transplantation into YAC128 Huntington's disease mouse model. <i>Cell Proliferation</i> , 2021 , 54, e13082	7.9	5

17	A niche-defying feat: induced oligoneogenesis in the adult dentate gyrus. <i>Cell Stem Cell</i> , 2008 , 3, 125-6	18	4
16	ISSCR guidelines for the transfer of human pluripotent stem cells and their direct derivatives into animal hosts. <i>Stem Cell Reports</i> , 2021 , 16, 1409-1415	8	4
15	Transplanted neural progenitors bridge gaps to benefit cord-injured monkeys. <i>Nature Medicine</i> , 2018 , 24, 388-390	50.5	3
14	Cell-intrinsic glial pathology is conserved across human and murine models of Huntington's disease. <i>Cell Reports</i> , 2021 , 36, 109308	10.6	3
13	Glial progenitor cell-based repair of the dysmyelinated brain: Progression to the clinic. <i>Seminars in Cell and Developmental Biology</i> , 2021 , 116, 62-70	7.5	3
12	Spreading Depression: A Gap Junction Mediated Event?. <i>Neuroscience Intelligence Unit</i> , 1996 , 301-312		2
11	Donor cell memory confers a metastable state of directly converted cells. <i>Cell Stem Cell</i> , 2021 , 28, 1291-1806.e10		
10	Glial evolution as a determinant of human behavior and its disorders. <i>Annals of the New York Academy of Sciences</i> , 2020 , 1471, 72-85	6.5	1
9	Stem cells and cell-based therapy in neurodegenerative disease 2005 , 347-362		1
8	Cell Therapy for Huntington's Disease: Learning from Failure. <i>Movement Disorders</i> , 2021 , 36, 787-788	7	1
7	Measuring Shape Relations Using r-Parallel Sets. <i>Journal of Mathematical Imaging and Vision</i> , 2021 , 63, 1069-1083	1.6	0
6	Targeted Induction of Endogenous Neural Stem and Progenitor Cells: A New Strategy for Gene Therapy of Neurological Disease 2006 , 53-65		
5	CSIG-03. RECONCILING TUMOR HETEROGENEITY IN GLIOBLASTOMA USING A PATHWAY-BASED APPROACH. <i>Neuro-Oncology</i> , 2020 , 22, ii28-ii28		1
4	CSIG-16. PATHWAY-BASED APPROACH REVEALS DIFFERENTIAL SENSITIVITY OF GLIOBLASTOMA TO E2F1 INHIBITION. <i>Neuro-Oncology</i> , 2021 , 23, vi36-vi36		1
3	Cellular Plasticity of the Adult Human Brain 2005 , 375-xi		
2	Microvascular Influences on Progenitor Cell Mobilization and Fate in the Adult Brain 61-74		
1	Patience pays in spinal repair. <i>Journal of Clinical Investigation</i> , 2017 , 127, 3284-3286	15.9	