Lorenz Studer

List of Publications by Citations

179 papers	23,017 citations	73 h-index	151 g-index
215 ext. papers	26,540 ext. citations	17.3 avg, IF	6.83 L-index

#	Paper	IF	Citations
179	Highly efficient neural conversion of human ES and iPS cells by dual inhibition of SMAD signaling. *Nature Biotechnology*, **2009**, 27, 275-80	44.5	2430
178	Dopamine neurons derived from human ES cells efficiently engraft in animal models of Parkinson's disease. *Nature*, **2011**, 480, 547-51	50.4	1294
177	Efficient generation of midbrain and hindbrain neurons from mouse embryonic stem cells. *Nature Biotechnology*, **2000**, 18, 675-9	44.5	1086
176	Derivation of midbrain dopamine neurons from human embryonic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 12543-8	11.5	826
175	Modelling pathogenesis and treatment of familial dysautonomia using patient-specific iPSCs. *Nature*, **2009**, 461, 402-6	50.4	701
174	Enhanced proliferation, survival, and dopaminergic differentiation of CNS precursors in lowered oxygen. *Journal of Neuroscience*, **2000**, 20, 7377-83	6.6	603
173	Neural subtype specification of fertilization and nuclear transfer embryonic stem cells and application in parkinsonian mice. *Nature Biotechnology*, **2003**, 21, 1200-7	44.5	529
172	Human ES cell-derived neural rosettes reveal a functionally distinct early neural stem cell stage. *Genes and Development*, **2008**, 22, 152-65	12.6	511
171	Human iPSC-based modeling of late-onset disease via progerin-induced aging. *Cell Stem Cell*, **2013**, 13, 691-705	18	474
170	Differentiation of embryonic stem cell lines generated from adult somatic cells by nuclear transfer. *Science*, **2001**, 292, 740-3	33.3	474
169	Transplantation of expanded mesencephalic precursors leads to recovery in parkinsonian rats. *Nature Neuroscience*, **1998**, 1, 290-5	25.5	425
168	Isolation and directed differentiation of neural crest stem cells derived from human embryonic stem cells. *Nature Biotechnology*, **2007**, 25, 1468-75	44.5	422
167	Human iPSC-derived oligodendrocyte progenitor cells can myelinate and rescue a mouse model of congenital hypomyelination. *Cell Stem Cell*, **2013**, 12, 252-64	18	416
166	Directed differentiation and functional maturation of cortical interneurons from human embryonic stem cells. *Cell Stem Cell*, **2013**, 12, 559-72	18	411
165	Combined small-molecule inhibition accelerates developmental timing and converts human pluripotent stem cells into nociceptors. *Nature Biotechnology*, **2012**, 30, 715-20	44.5	375
164	Derivation of multipotent mesenchymal precursors from human embryonic stem cells. *PLoS Medicine*, **2005**, 2, e161	11.6	353
163	Pluripotent stem cells in regenerative medicine: challenges and recent progress. *Nature Reviews Genetics*, **2014**, 15, 82-92	30.1	351

162	A Human Pluripotent Stem Cell-based Platform to Study SARS-CoV-2 Tropism and Model Virus Infection in Human Cells and Organoids. *Cell Stem Cell*, **2020**, 27, 125-136.e7	18	338
161	Neural transplantation for the treatment of Parkinson's disease. *Lancet Neurology, The*, **2003**, 2, 437-45	24.1	278
160	Directed differentiation and transplantation of human embryonic stem cell-derived motoneurons. *Stem Cells*, **2007**, 25, 1931-9	5.8	275
159	Sequential actions of BMP receptors control neural precursor cell production and fate. *Genes and Development*, **2001**, 15, 2094-110	12.6	271
158	Derivation of engraftable skeletal myoblasts from human embryonic stem cells. *Nature Medicine*, **2007**, 13, 642-8	50.5	269
157	Derivation of neural crest cells from human pluripotent stem cells. *Nature Protocols*, **2010**, 5, 688-701	18.8	260
156	Genomic safe harbors permit high -globin transgene expression in thalassemia induced pluripotent stem cells. *Nature Biotechnology*, **2011**, 29, 73-8	44.5	249
155	Expansion and maintenance of human embryonic stem cell-derived endothelial cells by TGFbeta inhibition is Id1 dependent. *Nature Biotechnology*, **2010**, 28, 161-6	44.5	242
154	Impaired intrinsic immunity to HSV-1 in human iPSC-derived TLR3-deficient CNS cells. *Nature*, **2012**, 491, 769-73	50.4	240
153	Parthenogenetic stem cells in nonhuman primates. *Science*, **2002**, 295, 819	33.3	230
152	Stoichiometric and temporal requirements of Oct4, Sox2, Klf4, and c-Myc expression for efficient human iPSC induction and differentiation. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 12759-64	11.5	222
151	-Synuclein-induced lysosomal dysfunction occurs through disruptions in protein trafficking in human midbrain synucleinopathy models. *Proceedings of the National Academy of Sciences of the United States of America*, **2016**, 113, 1931-6	11.5	215
150	Optogenetics enables functional analysis of human embryonic stem cell-derived grafts in a Parkinson's disease model. *Nature Biotechnology*, **2015**, 33, 204-9	44.5	212
149	A poised chromatin platform for TGF- access to master regulators. *Cell*, **2011**, 147, 1511-24	56.2	209
148	Reply to Survival of expanded dopaminergic precursors is critical for clinical trials *Nature Neuroscience*, **1998**, 1, 537-537	25.5	197
147	Tumour-initiating stem-like cells in human prostate cancer exhibit increased NF- signalling. *Nature Communications*, **2011**, 2, 162	17.4	195
146	Human Trials of Stem Cell-Derived Dopamine Neurons for Parkinson's Disease: Dawn of a New Era. *Cell Stem Cell*, **2017**, 21, 569-573	18	193
145	Deriving human ENS lineages for cell therapy and drug discovery in Hirschsprung disease. *Nature*, **2016**, 531, 105-9	50.4	189

144	Large-scale screening using familial dysautonomia induced pluripotent stem cells identifies compounds that rescue IKBKAP expression. *Nature Biotechnology*, **2012**, 30, 1244-8	44.5	189
143	High-throughput screening assay for the identification of compounds regulating self-renewal and differentiation in human embryonic stem cells. *Cell Stem Cell*, **2008**, 2, 602-12	18	189
142	MHC-I expression renders catecholaminergic neurons susceptible to T-cell-mediated degeneration. *Nature Communications*, **2014**, 5, 3633	17.4	185
141	Modeling neural crest induction, melanocyte specification, and disease-related pigmentation defects in hESCs and patient-specific iPSCs. *Cell Reports*, **2013**, 3, 1140-52	10.6	178
140	Efficient derivation of functional floor plate tissue from human embryonic stem cells. *Cell Stem Cell* , **2010**, 6, 336-47	18	175
139	Migration and differentiation of neural precursors derived from human embryonic stem cells in the rat brain. *Nature Biotechnology*, **2005**, 23, 601-6	44.5	158
138	The epichaperome is an integrated chaperome network that facilitates tumour survival. *Nature*, **2016**, 538, 397-401	50.4	148
137	High-Content Screening in hPSC-Neural Progenitors Identifies Drug Candidates that Inhibit Zika Virus Infection in Fetal-like Organoids and Adult Brain. *Cell Stem Cell*, **2017**, 21, 274-283.e5	18	144
136	Genome-wide identification of microRNA targets in human ES cells reveals a role for miR-302 in modulating BMP response. *Genes and Development*, **2011**, 25, 2173-86	12.6	143
135	Nonhuman primate parthenogenetic stem cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2003**, 100 Suppl 1, 11911-6	11.5	142
134	Specification of positional identity in forebrain organoids. *Nature Biotechnology*, **2019**, 37, 436-444	44.5	136
133	Setting Global Standards for Stem Cell Research and Clinical Translation: The 2016 ISSCR Guidelines. *Stem Cell Reports*, **2016**, 6, 787-797	8	136
132	Bmi-1 cooperates with Foxg1 to maintain neural stem cell self-renewal in the forebrain. *Genes and Development*, **2009**, 23, 561-74	12.6	128
131	Ascorbic acid increases the yield of dopaminergic neurons derived from basic fibroblast growth factor expanded mesencephalic precursors. *Journal of Neurochemistry*, **2001**, 76, 307-11	6	123
130	Dopaminergic neuronal differentiation from rat embryonic neural precursors by Nurr1 overexpression. *Journal of Neurochemistry*, **2003**, 85, 1443-54	6	123
129	Parkin and PINK1 Patient iPSC-Derived Midbrain Dopamine Neurons Exhibit Mitochondrial Dysfunction and Synuclein Accumulation. *Stem Cell Reports*, **2016**, 7, 664-677	8	119
128	Programming and Reprogramming Cellular Age in the Era of Induced Pluripotency. *Cell Stem Cell*, **2015**, 16, 591-600	18	119
127	Combined small-molecule inhibition accelerates the derivation of functional cortical neurons from human pluripotent stem cells. *Nature Biotechnology*, **2017**, 35, 154-163	44.5	115

126	miR-371-3 expression predicts neural differentiation propensity in human pluripotent stem cells. *Cell Stem Cell*, **2011**, 8, 695-706	18	113
125	Long-term survival of dopamine neurons derived from parthenogenetic primate embryonic stem cells (cyno-1) after transplantation. *Stem Cells*, **2005**, 23, 914-22	5.8	110
124	Identification of embryonic stem cell-derived midbrain dopaminergic neurons for engraftment. *Journal of Clinical Investigation*, **2012**, 122, 2928-39	15.9	109
123	Mechanics-guided embryonic patterning of neuroectoderm tissue from human pluripotent stem cells. *Nature Materials*, **2018**, 17, 633-641	27	107
122	In vitro generation and transplantation of precursor-derived human dopamine neurons. *Journal of Neuroscience Research*, **2001**, 65, 284-8	4.4	102
121	Cell fate plug and play: direct reprogramming and induced pluripotency. *Cell*, **2011**, 145, 827-30	56.2	99
120	Comparison of the effects of the neurotrophins on the morphological structure of dopaminergic neurons in cultures of rat substantia nigra. *European Journal of Neuroscience*, **1995**, 7, 223-33	3.5	99
119	Effects of BDNF on dopaminergic, serotonergic, and GABAergic neurons in cultures of human fetal ventral mesencephalon. *Experimental Neurology*, **1995**, 133, 50-63	5.7	95
118	Generation of neuropeptidergic hypothalamic neurons from human pluripotent stem cells. *Development (Cambridge)*, **2015**, 142, 633-43	6.6	93
117	Therapeutic cloning in individual parkinsonian mice. *Nature Medicine*, **2008**, 14, 379-81	50.5	93
116	Moving stem cells to the clinic: potential and limitations for brain repair. *Neuron*, **2015**, 86, 187-206	13.9	92
115	A Modular Platform for Differentiation of Human PSCs into All Major Ectodermal Lineages. *Cell Stem Cell*, **2017**, 21, 399-410.e7	18	87
114	Enhanced in vitro midbrain dopamine neuron differentiation, dopaminergic function, neurite outgrowth, and 1-methyl-4-phenylpyridium resistance in mouse embryonic stem cells overexpressing Bcl-XL. *Journal of Neuroscience*, **2004**, 24, 843-52	6.6	82
113	Generating Late-Onset Human iPSC-Based Disease Models by Inducing Neuronal Age-Related Phenotypes through Telomerase Manipulation. *Cell Reports*, **2016**, 17, 1184-1192	10.6	81
112	Evaluation of developmental toxicants and signaling pathways in a functional test based on the migration of human neural crest cells. *Environmental Health Perspectives*, **2012**, 120, 1116-22	8.4	80
111	Human ESC-derived neural rosettes and neural stem cell progression. *Cold Spring Harbor Symposia on Quantitative Biology*, **2008**, 73, 377-87	3.9	79
110	Early cortical precursors do not undergo LIF-mediated astrocytic differentiation. *Journal of Neuroscience Research*, **2000**, 59, 301-11	4.4	79
109	Pluripotent stem cells in neuropsychiatric disorders. *Molecular Psychiatry*, **2017**, 22, 1241-1249	15.1	78

108	NFIA is a gliogenic switch enabling rapid derivation of functional human astrocytes from pluripotent stem cells. *Nature Biotechnology*, **2019**, 37, 267-275	44.5	75
107	Prospective isolation of cortical interneuron precursors from mouse embryonic stem cells. *Journal of Neuroscience*, **2010**, 30, 4667-75	6.6	74
106	Functional Connectivity under Optogenetic Control Allows Modeling of Human Neuromuscular Disease. *Cell Stem Cell*, **2016**, 18, 134-43	18	70
105	Specification of functional cranial placode derivatives from human pluripotent stem cells. *Cell Reports*, **2013**, 5, 1387-402	10.6	70
104	BAC transgenesis in human embryonic stem cells as a novel tool to define the human neural lineage. *Stem Cells*, **2009**, 27, 521-32	5.8	69
103	Inborn Errors of RNA Lariat Metabolism in Humans with Brainstem Viral Infection. *Cell*, **2018**, 172, 952-965.e18	36.2	64
102	Creating Patient-Specific Neural Cells for the In Vitro Study of Brain Disorders. *Stem Cell Reports*, **2015**, 5, 933-945	8	63
101	Parthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's disease. *Brain*, **2008**, 131, 2127-39	11.2	63
100	Dual-SMAD Inhibition/WNT Activation-Based Methods to Induce Neural Crest and Derivatives from Human Pluripotent Stem Cells. *Methods in Molecular Biology*, **2016**, 1307, 329-43	1.4	59
99	Pluripotent stem cell-based disease modeling: current hurdles and future promise. *Current Opinion in Cell Biology*, **2015**, 37, 102-10	9	56
98	The expanding role of miR-302-367 in pluripotency and reprogramming. *Cell Cycle*, **2012**, 11, 1517-23	4.7	55
97	Adapting human pluripotent stem cells to high-throughput and high-content screening. *Nature Protocols*, **2013**, 8, 111-30	18.8	54
96	Strategies for bringing stem cell-derived dopamine neurons to the clinic-The NYSTEM trial. *Progress in Brain Research*, **2017**, 230, 191-212	2.9	51
95	Lipid Deprivation Induces a Stable, Naive-to-Primed Intermediate State of Pluripotency in Human PSCs. *Cell Stem Cell*, **2019**, 25, 120-136.e10	18	50
94	Maturation of spinal motor neurons derived from human embryonic stem cells. *PLoS ONE*, **2012**, 7, e40154	3.7	50
93	Human SNORA31 variations impair cortical neuron-intrinsic immunity to HSV-1 and underlie herpes simplex encephalitis. *Nature Medicine*, **2019**, 25, 1873-1884	50.5	49
92	Acquisition of in vitro and in vivo functionality of Nurr1-induced dopamine neurons. *FASEB Journal*, **2006**, 20, 2553-5	0.9	47
91	Human iPSC-derived trigeminal neurons lack constitutive TLR3-dependent immunity that protects cortical neurons from HSV-1 infection. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E8775-E8782	11.5	46

90	Derivation of dopaminergic neurons from pluripotent stem cells. *Progress in Brain Research*, **2012**, 200, 243-63	2.9	45
89	Loss of SATB1 Induces p21-Dependent Cellular Senescence in Post-mitotic Dopaminergic Neurons. *Cell Stem Cell*, **2019**, 25, 514-530.e8	18	44
88	Transplanted dopamine neurons derived from primate ES cells preferentially innervate DARPP-32 striatal progenitors within the graft. *European Journal of Neuroscience*, **2006**, 24, 1885-96	3.5	44
87	A mathematical model for the estimation of human embryonic and fetal age. *Cell Transplantation*, **1996**, 5, 453-64	4	44
86	Induced pluripotent stem cell technology for the study of human disease. *Nature Methods*, **2010**, 7, 25-7	21.6	43
85	Embryonic stem cell-derived neurons form functional networks in vitro. *Stem Cells*, **2007**, 25, 738-49	5.8	43
84	Pluripotent stem cell-derived epithelium misidentified as brain microvascular endothelium requires ETS factors to acquire vascular fate. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	43
83	Noninvasive dopamine determination by reversed phase HPLC in the medium of free-floating roller tube cultures of rat fetal ventral mesencephalon: a tool to assess dopaminergic tissue prior to grafting. *Brain Research Bulletin*, **1996**, 41, 143-50	3.9	42
82	Fully defined human pluripotent stem cell-derived microglia and tri-culture system model C3 production in Alzheimer's disease. *Nature Neuroscience*, **2021**, 24, 343-354	25.5	40
81	Long-term survival of dopaminergic neurones in free-floating roller tube cultures of human fetal ventral mesencephalon. *Journal of Neuroscience Methods*, **1994**, 54, 63-73	3	39
80	Capturing the biology of disease severity in a PSC-based model of familial dysautonomia. *Nature Medicine*, **2016**, 22, 1421-1427	50.5	38
79	Preclinical Efficacy and Safety of a Human Embryonic Stem Cell-Derived Midbrain Dopamine Progenitor Product, MSK-DA01. *Cell Stem Cell*, **2021**, 28, 217-229.e7	18	37
78	TCF3 alternative splicing controlled by hnRNP H/F regulates E-cadherin expression and hESC pluripotency. *Genes and Development*, **2018**, 32, 1161-1174	12.6	35
77	Effects of brain-derived neurotrophic factor on neuronal structure of dopaminergic neurons in dissociated cultures of human fetal mesencephalon. *Experimental Brain Research*, **1996**, 108, 328-36	2.3	35
76	NGF increases neuritic complexity of cholinergic interneurons in organotypic cultures of neonatal rat striatum. *Journal of Comparative Neurology*, **1994**, 340, 281-96	3.4	35
75	Derivation of Diverse Hormone-Releasing Pituitary Cells from Human Pluripotent Stem Cells. *Stem Cell Reports*, **2016**, 6, 858-872	8	34
74	ZFX controls the self-renewal of human embryonic stem cells. *PLoS ONE*, **2012**, 7, e42302	3.7	34
73	Policy: Global standards for stem-cell research. *Nature*, **2016**, 533, 311-3	50.4	33

72	New ISSCR guidelines: clinical translation of stem cell research. *Lancet, The*, **2016**, 387, 1979-81	40	33
71	Production of green fluorescent protein transgenic embryonic stem cells using the GENSAT bacterial artificial chromosome library. *Stem Cells*, **2007**, 25, 39-45	5.8	32
70	When rejuvenation is a problem: challenges of modeling late-onset neurodegenerative disease. *Development (Cambridge)*, **2015**, 142, 3085-9	6.6	31
69	Comparison of the topology and growth rules of motoneuronal dendrites. *Journal of Comparative Neurology*, **1995**, 363, 505-16	3.4	28
68	Pluripotent Stem Cell Therapies for Parkinson Disease: Present Challenges and Future Opportunities. *Frontiers in Cell and Developmental Biology*, **2020**, 8, 729	5.7	28
67	Converting human pluripotent stem cells to neural tissue and neurons to model neurodegeneration. *Methods in Molecular Biology*, **2011**, 793, 87-97	1.4	27
66	Modelling familial dysautonomia in human induced pluripotent stem cells. *Philosophical Transactions of the Royal Society B: Biological Sciences*, **2011**, 366, 2286-96	5.8	26
65	Derivation of enteric neuron lineages from human pluripotent stem cells. *Nature Protocols*, **2019**, 14, 1261-1279	18.8	25
64	Making and repairing the mammalian brain--in vitro production of dopaminergic neurons. *Seminars in Cell and Developmental Biology*, **2003**, 14, 181-9	7.5	25
63	Biphasic Activation of WNT Signaling Facilitates the Derivation of Midbrain Dopamine Neurons from hESCs for Translational Use. *Cell Stem Cell*, **2021**, 28, 343-355.e5	18	25
62	Optical bioluminescence imaging of human ES cell progeny in the rodent CNS. *Journal of Neurochemistry*, **2007**, 102, 2029-2039	6	24
61	Expression profiling of lineage differentiation in pluripotential human embryonal carcinoma cells. *Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research*, **2002**, 13, 257-64		24
60	Back and forth in time: Directing age in iPSC-derived lineages. *Brain Research*, **2017**, 1656, 14-26	3.7	23
59	Single-molecule analysis reveals changes in the DNA replication program for the POU5F1 locus upon human embryonic stem cell differentiation. *Molecular and Cellular Biology*, **2010**, 30, 4521-34	4.8	23
58	Fetal ventral mesencephalon of human and rat origin maintained in vitro and transplanted to 6-hydroxydopamine-lesioned rats gives rise to grafts rich in dopaminergic neurons. *Experimental Brain Research*, **1996**, 112, 47-57	2.3	23
57	Retinoic Acid-Mediated Regulation of GLI3 Enables Efficient Motoneuron Derivation from Human ESCs in the Absence of Extrinsic SHH Activation. *Journal of Neuroscience*, **2015**, 35, 11462-81	6.6	22
56	A Multiplex Human Pluripotent Stem Cell Platform Defines Molecular and Functional Subclasses of Autism-Related Genes. *Cell Stem Cell*, **2020**, 27, 35-49.e6	18	22
55	HSP90-incorporating chaperome networks as biosensor for disease-related pathways in patient-specific midbrain dopamine neurons. *Nature Communications*, **2018**, 9, 4345	17.4	22

54	DNA replication timing alterations identify common markers between distinct progeroid diseases. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E10972-E10980	11.5	21
53	The epichaperome is a mediator of toxic hippocampal stress and leads to protein connectivity-based dysfunction. *Nature Communications*, **2020**, 11, 319	17.4	20
52	Transcriptional program of bone morphogenetic protein-2-induced epithelial and smooth muscle differentiation of pluripotent human embryonal carcinoma cells. *Functional and Integrative Genomics*, **2005**, 5, 59-69	3.8	20
51	Enhancement of polysialic acid expression improves function of embryonic stem-derived dopamine neuron grafts in Parkinsonian mice. *Stem Cells Translational Medicine*, **2014**, 3, 108-13	6.9	19
50	TLR3 controls constitutive IFN-□antiviral immunity in human fibroblasts and cortical neurons. *Journal of Clinical Investigation*, **2021**, 131,	15.9	19
49	Cancer modeling by Transgene Electroporation in Adult Zebrafish (TEAZ). *DMM Disease Models and Mechanisms*, **2018**, 11,	4.1	18
48	Cellular reprogramming: recent advances in modeling neurological diseases. *Journal of Neuroscience*, **2011**, 31, 16070-5	6.6	18
47	Build-a-brain. *Cell Stem Cell*, **2013**, 13, 377-8	18	16
46	Protocols for generating ES cell-derived dopamine neurons. *Advances in Experimental Medicine and Biology*, **2009**, 651, 101-11	3.6	16
45	A hPSC-based platform to discover gene-environment interactions that impact human □cell and dopamine neuron survival. *Nature Communications*, **2018**, 9, 4815	17.4	16
44	Lessons Learned from Pioneering Neural Stem Cell Studies. *Stem Cell Reports*, **2017**, 8, 191-193	8	15
43	Deciphering Human Cell-Autonomous Anti-HSV-1 Immunity in the Central Nervous System. *Frontiers in Immunology*, **2015**, 6, 208	8.4	15
42	Human stem cell models to study host-virus interactions in the central nervous system. *Nature Reviews Immunology*, **2021**, 21, 441-453	36.5	14
41	Feeder-free derivation of neural crest progenitor cells from human pluripotent stem cells. *Journal of Visualized Experiments*, **2014**,	1.6	13
40	Developmental chromatin programs determine oncogenic competence in melanoma. *Science*, **2021**, 373, eabc1048	33.3	13
39	Constitutive gene expression predisposes morphogen-mediated cell fate responses of NT2/D1 and 27X-1 human embryonal carcinoma cells. *Stem Cells*, **2007**, 25, 771-8	5.8	10
38	Activation of HERV-K(HML-2) disrupts cortical patterning and neuronal differentiation by increasing NTRK3. *Cell Stem Cell*, **2021**, 28, 1566-1581.e8	18	10
37	Comparison of three congruent patient-specific cell types for the modelling of a human genetic Schwann-cell disorder. *Nature Biomedical Engineering*, **2019**, 3, 571-582	19	9

36	Culture of substantia nigra neurons. *Current Protocols in Neuroscience*, **2001**, Chapter 3, Unit 3.3	2.7	9
35	A cell engineering strategy to enhance the safety of stem cell therapies. *Cell Reports*, **2014**, 8, 1677-1685	10.6	8
34	Targeting Homologous Recombination in Notch-Driven C. elegans Stem Cell and Human Tumors. *PLoS ONE*, **2015**, 10, e0127862	3.7	7
33	Wnt1 overexpression leads to enforced cardiomyogenesis and inhibition of hematopoiesis in murine embryonic stem cells. *Stem Cells and Development*, **2010**, 19, 745-51	4.4	7
32	Too much Sonic, too few neurons. *Nature Neuroscience*, **2009**, 12, 107-8	25.5	6
31	Human stem cell models of neurodegeneration: From basic science of amyotrophic lateral sclerosis to clinical translation.. *Cell Stem Cell*, **2022**, 29, 11-35	18	6
30	Neural Crest Cells from Dual SMAD Inhibition. *Current Protocols in Stem Cell Biology*, **2015**, 33, 1H.9.1-1H.9.9	2.9	5
29	Mesenchymal cells. *Methods in Enzymology*, **2006**, 418, 194-208	1.7	5
28	SARS-CoV-2 Infection Causes Dopaminergic Neuron Senescence **2021**,		5
27	The polycomb group protein L3MBTL1 represses a SMAD5-mediated hematopoietic transcriptional program in human pluripotent stem cells. *Stem Cell Reports*, **2015**, 4, 658-69	8	4
26	Accelerated transsulfuration metabolically defines a discrete subclass of amyotrophic lateral sclerosis patients. *Neurobiology of Disease*, **2020**, 144, 105025	7.5	4
25	Neuron-intrinsic immunity to viruses in mice and humans. *Current Opinion in Immunology*, **2021**, 72, 309-318	7.8	4
24	Feeder-free Derivation of Melanocytes from Human Pluripotent Stem Cells. *Journal of Visualized Experiments*, **2016**, e53806	1.6	3
23	Enriched motor neuron populations derived from bacterial artificial chromosome-transgenic human embryonic stem cells. *Clinical Neurosurgery*, **2009**, 56, 125-32		3
22	Anatomic position determines oncogenic specificity in melanoma.. *Nature*, **2022**,	50.4	3
21	Experimental Transplantation in the Embryonic, Neonatal, and Adult Mammalian Brain. *Current Protocols in Neuroscience*, **1997**, 1, 3.10.1-3.10.28	2.7	2
20	Novel sources of stem cells for brain repair. *Clinical Neuroscience Research*, **2002**, 2, 2-10		2
19	Anatomic position determines oncogenic specificity in melanoma		2

18	Therapeutic manipulation of IKBKAP mis-splicing with a small molecule to cure familial dysautonomia. *Nature Communications*, **2021**, 12, 4507	17.4	2
17	Early cortical precursors do not undergo LIF-mediated astrocytic differentiation **2000**, 59, 301		2
16	ES Cells and Nuclear Transfer Cloning **2004**, 623-633		1
15	Loss of SATB1 Induces a p21 Dependent Cellular Senescence Phenotype in Dopaminergic Neurons		1
14	Developmental chromatin programs determine oncogenic competence in melanoma		1
13	Human Pluripotent-Derived Lineages for Repairing Hypopituitarism. *Research and Perspectives in Endocrine Interactions*, **2016**, 25-34		1
12	Epigenetic control of melanoma cell invasiveness by the stem cell factor SALL4. *Nature Communications*, **2021**, 12, 5056	17.4	1
11	Recurrent chromosomal imbalances provide selective advantage to human embryonic stem cells under enhanced replicative stress conditions. *Genes Chromosomes and Cancer*, **2021**, 60, 272-281	5	0
10	A dual knockin hESC reporter line for derivation of human SAN-like cells.. *IScience*, **2022**, 25, 104153	6.1	0
9	Embryonic stem cell therapy for intractable epilepsy. *Epilepsia*, **2010**, 51, 93-93	6.4	
8	Neural Stem Cells **2007**, 947-965		
7	Embryonic Stem Cells for Grafting in Parkinson's Disease **2006**, 269-284		
6	Neural Cells Derived From Embryonic Stem Cells **2003**, 155-180		
5	Embryonic stem cell-based models of parkinson's disease **2008**, 461-474		
4	Genetic Manipulation of Human Embryonic Stem Cells **2009**, 75-86		
3	Therapeutic Transgene Expression From Genomic Safe Harbors In Patient-Specific Induced Pluripotent Stem Cells. *Blood*, **2010**, 116, 564-564	2.2	
2	Kathryn Anderson (1952-2020). *Cell*, **2021**, 184, 1123-1126	56.2	
1	Disabling the Fanconi Anemia Pathway in Stem Cells Leads to Radioresistance and Genomic Instability. *Cancer Research*, **2021**, 81, 3706-3716	10.1	