

Lorenz Studer

List of Publications by Year in descending order

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187
papers

28,976
citations

7096

78
h-index

5394

164
g-index

215
all docs

215
docs citations

215
times ranked

27797
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly efficient neural conversion of human ES and iPS cells by dual inhibition of SMAD signaling. Nature Biotechnology, 2009, 27, 275-280.	17.5	3,047
2	Dopamine neurons derived from human ES cells efficiently engraft in animal models of Parkinson's disease. Nature, 2011, 480, 547-551.	27.8	1,603
3	Efficient generation of midbrain and hindbrain neurons from mouse embryonic stem cells. Nature Biotechnology, 2000, 18, 675-679.	17.5	1,210
4	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, 12543-12548.	7.1	922
5	Modelling pathogenesis and treatment of familial dysautonomia using patient-specific iPSCs. Nature, 2009, 461, 402-406.	27.8	808
6	Enhanced Proliferation, Survival, and Dopaminergic Differentiation of CNS Precursors in Lowered Oxygen. Journal of Neuroscience, 2000, 20, 7377-7383.	3.6	665
7	Human iPSC-Based Modeling of Late-Onset Disease via Progerin-Induced Aging. Cell Stem Cell, 2013, 13, 691-705.	11.1	613
8	Human ES cell-derived neural rosettes reveal a functionally distinct early neural stem cell stage. Genes and Development, 2008, 22, 152-165.	5.9	604
9	Neural subtype specification of fertilization and nuclear transfer embryonic stem cells and application in parkinsonian mice. Nature Biotechnology, 2003, 21, 1200-1207.	17.5	585
10	Differentiation of Embryonic Stem Cell Lines Generated from Adult Somatic Cells by Nuclear Transfer. Science, 2001, 292, 740-743.	12.6	548
11	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.	11.1	543
12	Combined small-molecule inhibition accelerates developmental timing and converts human pluripotent stem cells into nociceptors. Nature Biotechnology, 2012, 30, 715-720.	17.5	515
13	Directed Differentiation and Functional Maturation of Cortical Interneurons from Human Embryonic Stem Cells. Cell Stem Cell, 2013, 12, 559-572.	11.1	505
14	Human iPSC-Derived Oligodendrocyte Progenitor Cells Can Myelinate and Rescue a Mouse Model of Congenital Hypomyelination. Cell Stem Cell, 2013, 12, 252-264.	11.1	500
15	Transplantation of expanded mesencephalic precursors leads to recovery in parkinsonian rats. Nature Neuroscience, 1998, 1, 290-295.	14.8	495
16	Isolation and directed differentiation of neural crest stem cells derived from human embryonic stem cells. Nature Biotechnology, 2007, 25, 1468-1475.	17.5	490
17	Pluripotent stem cells in regenerative medicine: challenges and recent progress. Nature Reviews Genetics, 2014, 15, 82-92.	16.3	403
18	Derivation of Multipotent Mesenchymal Precursors from Human Embryonic Stem Cells. PLoS Medicine, 2005, 2, e161.	8.4	396

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19	Neural transplantation for the treatment of Parkinson's disease. <i>Lancet Neurology</i> , The, 2003, 2, 437-445.	10.2	322
20	Directed Differentiation and Transplantation of Human Embryonic Stem Cell-Derived Motoneurons. <i>Stem Cells</i> , 2007, 25, 1931-1939.	3.2	316
21	Derivation of neural crest cells from human pluripotent stem cells. <i>Nature Protocols</i> , 2010, 5, 688-701.	12.0	307
22	Sequential actions of BMP receptors control neural precursor cell production and fate. <i>Genes and Development</i> , 2001, 15, 2094-2110.	5.9	298
23	Derivation of engraftable skeletal myoblasts from human embryonic stem cells. <i>Nature Medicine</i> , 2007, 13, 642-648.	30.7	297
24	Î±-Synuclein-induced lysosomal dysfunction occurs through disruptions in protein trafficking in human midbrain synucleinopathy models. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 1931-1936.	7.1	292
25	Impaired intrinsic immunity to HSV-1 in human iPSC-derived TLR3-deficient CNS cells. <i>Nature</i> , 2012, 491, 769-773.	27.8	288
26	Parthenogenetic Stem Cells in Nonhuman Primates. <i>Science</i> , 2002, 295, 819-819.	12.6	284
27	Expansion and maintenance of human embryonic stem cell-derived endothelial cells by TGFÎ² inhibition is Id1 dependent. <i>Nature Biotechnology</i> , 2010, 28, 161-166.	17.5	282
28	Genomic safe harbors permit high Î²-globin transgene expression in thalassemia induced pluripotent stem cells. <i>Nature Biotechnology</i> , 2011, 29, 73-78.	17.5	277
29	Human Trials of Stem Cell-Derived Dopamine Neurons for Parkinson's Disease: Dawn of a New Era. <i>Cell Stem Cell</i> , 2017, 21, 569-573.	11.1	275
30	Stoichiometric and temporal requirements of Oct4, Sox2, Klf4, and c-Myc expression for efficient human iPSC induction and differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 12759-12764.	7.1	262
31	Optogenetics enables functional analysis of human embryonic stem cell-derived grafts in a Parkinson's disease model. <i>Nature Biotechnology</i> , 2015, 33, 204-209.	17.5	256
32	MHC-I expression renders catecholaminergic neurons susceptible to T-cell-mediated degeneration. <i>Nature Communications</i> , 2014, 5, 3633.	12.8	254
33	Deriving human ENS lineages for cell therapy and drug discovery in Hirschsprung disease. <i>Nature</i> , 2016, 531, 105-109.	27.8	252
34	A Poised Chromatin Platform for TGFÎ² Access to Master Regulators. <i>Cell</i> , 2011, 147, 1511-1524.	28.9	251
35	Modeling Neural Crest Induction, Melanocyte Specification, and Disease-Related Pigmentation Defects in hESCs and Patient-Specific iPSCs. <i>Cell Reports</i> , 2013, 3, 1140-1152.	6.4	240
36	Tumour-initiating stem-like cells in human prostate cancer exhibit increased NF-Î²B signalling. <i>Nature Communications</i> , 2011, 2, 162.	12.8	239

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37	The epichaperome is an integrated chaperome network that facilitates tumour survival. <i>Nature</i> , 2016, 538, 397-401.	27.8	233
38	Specification of positional identity in forebrain organoids. <i>Nature Biotechnology</i> , 2019, 37, 436-444.	17.5	226
39	High-Content Screening in hPSC-Neural Progenitors Identifies Drug Candidates that Inhibit Zika Virus Infection in Fetal-like Organoids and Adult Brain. <i>Cell Stem Cell</i> , 2017, 21, 274-283.e5.	11.1	214
40	High-Throughput Screening Assay for the Identification of Compounds Regulating Self-Renewal and Differentiation in Human Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 602-612.	11.1	211
41	Large-scale screening using familial dysautonomia induced pluripotent stem cells identifies compounds that rescue IKBKAP expression. <i>Nature Biotechnology</i> , 2012, 30, 1244-1248.	17.5	211
42	Reply to "Survival of expanded dopaminergic precursors is critical for clinical trials". <i>Nature Neuroscience</i> , 1998, 1, 537-537.	14.8	203
43	Combined small-molecule inhibition accelerates the derivation of functional cortical neurons from human pluripotent stem cells. <i>Nature Biotechnology</i> , 2017, 35, 154-163.	17.5	186
44	Migration and differentiation of neural precursors derived from human embryonic stem cells in the rat brain. <i>Nature Biotechnology</i> , 2005, 23, 601-606.	17.5	178
45	Nonhuman primate parthenogenetic stem cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11911-11916.	7.1	176
46	Genome-wide identification of microRNA targets in human ES cells reveals a role for miR-302 in modulating BMP response. <i>Genes and Development</i> , 2011, 25, 2173-2186.	5.9	175
47	Mechanics-guided embryonic patterning of neuroectoderm tissue from human pluripotent stem cells. <i>Nature Materials</i> , 2018, 17, 633-641.	27.5	174
48	Setting Global Standards for Stem Cell Research and Clinical Translation: The 2016 ISSCR Guidelines. <i>Stem Cell Reports</i> , 2016, 6, 787-797.	4.8	172
49	A Modular Platform for Differentiation of Human PSCs into All Major Ectodermal Lineages. <i>Cell Stem Cell</i> , 2017, 21, 399-410.e7.	11.1	168
50	Parkin and PINK1 Patient iPSC-Derived Midbrain Dopamine Neurons Exhibit Mitochondrial Dysfunction and α -Synuclein Accumulation. <i>Stem Cell Reports</i> , 2016, 7, 664-677.	4.8	164
51	Ascorbic acid increases the yield of dopaminergic neurons derived from basic fibroblast growth factor expanded mesencephalic precursors. <i>Journal of Neurochemistry</i> , 2009, 76, 307-311.	3.9	154
52	NFIA is a gliogenic switch enabling rapid derivation of functional human astrocytes from pluripotent stem cells. <i>Nature Biotechnology</i> , 2019, 37, 267-275.	17.5	150
53	Programming and Reprogramming Cellular Age in the Era of Induced Pluripotency. <i>Cell Stem Cell</i> , 2015, 16, 591-600.	11.1	147
54	Bmi-1 cooperates with Foxg1 to maintain neural stem cell self-renewal in the forebrain. <i>Genes and Development</i> , 2009, 23, 561-574.	5.9	146

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55	Dopaminergic neuronal differentiation from rat embryonic neural precursors by Nurr1 overexpression. <i>Journal of Neurochemistry</i> , 2003, 85, 1443-1454.	3.9	142
56	Generation of neuropeptidergic hypothalamic neurons from human pluripotent stem cells. <i>Development (Cambridge)</i> , 2015, 142, 633-643.	2.5	131
57	Identification of embryonic stem cellâ€derived midbrain dopaminergic neurons for engraftment. <i>Journal of Clinical Investigation</i> , 2012, 122, 2928-2939.	8.2	131
58	miR-371-3 Expression Predicts Neural Differentiation Propensity in Human Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2011, 8, 695-706.	11.1	126
59	Generating Late-Onset Human iPSC-Based Disease Models by Inducing Neuronal Age-Related Phenotypes through Telomerase Manipulation. <i>Cell Reports</i> , 2016, 17, 1184-1192.	6.4	126
60	Long-Term Survival of Dopamine Neurons Derived from Parthenogenetic Primate Embryonic Stem Cells (Cyno-1) After Transplantation. <i>Stem Cells</i> , 2005, 23, 914-922.	3.2	122
61	In vitro generation and transplantation of precursorâ€derived human dopamine neurons. <i>Journal of Neuroscience Research</i> , 2001, 65, 284-288.	2.9	121
62	Moving Stem Cells to the Clinic: Potential and Limitations for Brain Repair. <i>Neuron</i> , 2015, 86, 187-206.	8.1	121
63	Pluripotent stem cell-derived epithelium misidentified as brain microvascular endothelium requires ETS factors to acquire vascular fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	119
64	Fully defined human pluripotent stem cell-derived microglia and tri-culture system model C3 production in Alzheimerâ€™s disease. <i>Nature Neuroscience</i> , 2021, 24, 343-354.	14.8	118
65	Therapeutic cloning in individual parkinsonian mice. <i>Nature Medicine</i> , 2008, 14, 379-381.	30.7	116
66	Preclinical Efficacy and Safety of a Human Embryonic Stem Cell-Derived Midbrain Dopamine Progenitor Product, MSK-DA01. <i>Cell Stem Cell</i> , 2021, 28, 217-229.e7.	11.1	116
67	Cell Fate Plug and Play: Direct Reprogramming and Induced Pluripotency. <i>Cell</i> , 2011, 145, 827-830.	28.9	113
68	Pluripotent stem cells in neuropsychiatric disorders. <i>Molecular Psychiatry</i> , 2017, 22, 1241-1249.	7.9	113
69	Effect of BDNF on Dopaminergic, Serotonergic, and GABAergic Neurons in Cultures of Human Fetal Ventral Mesencephalon. <i>Experimental Neurology</i> , 1995, 133, 50-63.	4.1	103
70	Comparison of the Effects of the Neurotrophins on the Morphological Structure of Dopaminergic Neurons in Cultures of Rat Substantia Nigra. <i>European Journal of Neuroscience</i> , 1995, 7, 223-233.	2.6	101
71	Biphasic Activation of WNT Signaling Facilitates the Derivation of Midbrain Dopamine Neurons from hESCs for Translational Use. <i>Cell Stem Cell</i> , 2021, 28, 343-355.e5.	11.1	100
72	Specification of Functional Cranial Placode Derivatives from Human Pluripotent Stem Cells. <i>Cell Reports</i> , 2013, 5, 1387-1402.	6.4	99

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73	Lipid Deprivation Induces a Stable, Naive-to-Primed Intermediate State of Pluripotency in Human PSCs. <i>Cell Stem Cell</i> , 2019, 25, 120-136.e10.	11.1	98
74	Loss of SATB1 Induces p21-Dependent Cellular Senescence in Post-mitotic Dopaminergic Neurons. <i>Cell Stem Cell</i> , 2019, 25, 514-530.e8.	11.1	96
75	Human ESC-derived Neural Rosettes and Neural Stem Cell Progression. <i>Cold Spring Harbor Symposia on Quantitative Biology</i> , 2008, 73, 377-387.	1.1	94
76	Evaluation of Developmental Toxicants and Signaling Pathways in a Functional Test Based on the Migration of Human Neural Crest Cells. <i>Environmental Health Perspectives</i> , 2012, 120, 1116-1122.	6.0	93
77	Functional Connectivity under Optogenetic Control Allows Modeling of Human Neuromuscular Disease. <i>Cell Stem Cell</i> , 2016, 18, 134-143.	11.1	92
78	Inborn Errors of RNA Lariat Metabolism in Humans with Brainstem Viral Infection. <i>Cell</i> , 2018, 172, 952-965.e18.	28.9	92
79	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. <i>Journal of Neuroscience</i> , 2004, 24, 843-852.	3.6	88
80	Early cortical precursors do not undergo LIF-mediated astrocytic differentiation. , 2000, 59, 301-311.		85
81	Prospective Isolation of Cortical Interneuron Precursors from Mouse Embryonic Stem Cells. <i>Journal of Neuroscience</i> , 2010, 30, 4667-4675.	3.6	81
82	Developmental chromatin programs determine oncogenic competence in melanoma. <i>Science</i> , 2021, 373, eabc1048.	12.6	80
83	Parthenogenetic dopamine neurons from primate embryonic stem cells restore function in experimental Parkinson's disease. <i>Brain</i> , 2008, 131, 2127-2139.	7.6	78
84	Human SNORA31 variations impair cortical neuron-intrinsic immunity to HSV-1 and underlie herpes simplex encephalitis. <i>Nature Medicine</i> , 2019, 25, 1873-1884.	30.7	76
85	BAC Transgenesis in Human Embryonic Stem Cells as a Novel Tool to Define the Human Neural Lineage. <i>Stem Cells</i> , 2009, 27, 521-532.	3.2	75
86	Creating Patient-Specific Neural Cells for the In Vitro Study of Brain Disorders. <i>Stem Cell Reports</i> , 2015, 5, 933-945.	4.8	72
87	Dual-SMAD Inhibition/WNT Activation-Based Methods to Induce Neural Crest and Derivatives from Human Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2013, 1307, 329-343.	0.9	70
88	Strategies for bringing stem cell-derived dopamine neurons to the clinic – The NYSTEM trial. <i>Progress in Brain Research</i> , 2017, 230, 191-212.	1.4	67
89	Pluripotent stem cell-based disease modeling: current hurdles and future promise. <i>Current Opinion in Cell Biology</i> , 2015, 37, 102-110.	5.4	66
90	Pluripotent Stem Cell Therapies for Parkinson Disease: Present Challenges and Future Opportunities. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 729.	3.7	65

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91	Maturation of Spinal Motor Neurons Derived from Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e40154.	2.5	64
92	TLR3 controls constitutive IFN- γ antiviral immunity in human fibroblasts and cortical neurons. Journal of Clinical Investigation, 2021, 131, .	8.2	64
93	Adapting human pluripotent stem cells to high-throughput and high-content screening. Nature Protocols, 2013, 8, 111-130.	12.0	62
94	The expanding role of miR-302â€“367 in pluripotency and reprogramming. Cell Cycle, 2012, 11, 1517-1523.	2.6	61
95	TCF3 alternative splicing controlled by hnRNP H/F regulates E-cadherin expression and hESC pluripotency. Genes and Development, 2018, 32, 1161-1174.	5.9	60
96	A mathematical model for the estimation of human embryonic and fetal age. Cell Transplantation, 1996, 5, 453-464.	2.5	58
97	Capturing the biology of disease severity in a PSC-based model of familial dysautonomia. Nature Medicine, 2016, 22, 1421-1427.	30.7	58
98	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.	7.1	58
99	Derivation of dopaminergic neurons from pluripotent stem cells. Progress in Brain Research, 2012, 200, 243-263.	1.4	56
100	A Multiplex Human Pluripotent Stem Cell Platform Defines Molecular and Functional Subclasses of Autism-Related Genes. Cell Stem Cell, 2020, 27, 35-49.e6.	11.1	56
101	Acquisition of in vitro and in vivo functionality of Nurr1â€“induced dopamine neurons. FASEB Journal, 2006, 20, 2553-2555.	0.5	54
102	Embryonic Stem Cell-Derived Neurons Form Functional Networks In Vitro. Stem Cells, 2007, 25, 738-749.	3.2	51
103	Derivation of Diverse Hormone-Releasing Pituitary Cells from Human Pluripotent Stem Cells. Stem Cell Reports, 2016, 6, 858-872.	4.8	50
104	Induced pluripotent stem cell technology for the study of human disease. Nature Methods, 2010, 7, 25-27.	19.0	48
105	G-Force PD: a global initiative in coordinating stem cell-based dopamine treatments for Parkinsonâ€™s disease. Npj Parkinson's Disease, 2015, 1, 15017.	5.3	48
106	Transplanted dopamine neurons derived from primate ES cells preferentially innervate DARPP-32 striatal progenitors within the graft. European Journal of Neuroscience, 2006, 24, 1885-1896.	2.6	46
107	Derivation of enteric neuron lineages from human pluripotent stem cells. Nature Protocols, 2019, 14, 1261-1279.	12.0	46
108	The epichaperome is a mediator of toxic hippocampal stress and leads to protein connectivity-based dysfunction. Nature Communications, 2020, 11, 319.	12.8	46

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109	ZFX Controls the Self-Renewal of Human Embryonic Stem Cells. PLoS ONE, 2012, 7, e42302.	2.5	46
110	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, 143-150.	3.0	44
111	Anatomic position determines oncogenic specificity in melanoma. Nature, 2022, 604, 354-361.	27.8	44
112	New ISSCR guidelines: clinical translation of stem cell research. Lancet, The, 2016, 387, 1979-1981.	13.7	42
113	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.	2.5	41
114	Policy: Global standards for stem-cell research. Nature, 2016, 533, 311-313.	27.8	41
115	HSP90-incorporating chaperome networks as biosensor for disease-related pathways in patient-specific midbrain dopamine neurons. Nature Communications, 2018, 9, 4345.	12.8	40
116	Cancer modeling by Transgene Electroporation in Adult Zebrafish (TEAZ). DMM Disease Models and Mechanisms, 2018, 11, .	2.4	40
117	Human stem cell models of neurodegeneration: From basic science of amyotrophic lateral sclerosis to clinical translation. Cell Stem Cell, 2022, 29, 11-35.	11.1	39
118	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.	1.5	38
119	When rejuvenation is a problem: challenges of modeling late-onset neurodegenerative disease. Development (Cambridge), 2015, 142, 3085-3089.	2.5	38
120	Back and forth in time: Directing age in iPSC-derived lineages. Brain Research, 2017, 1656, 14-26.	2.2	38
121	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.	7.1	36
122	NGF increases neuritic complexity of cholinergic interneurons in organotypic cultures of neonatal rat striatum. Journal of Comparative Neurology, 1994, 340, 281-296.	1.6	35
123	Human stem cell models to study host-virus interactions in the central nervous system. Nature Reviews Immunology, 2021, 21, 441-453.	22.7	35
124	Production of Green Fluorescent Protein Transgenic Embryonic Stem Cells Using the GENSAT Bacterial Artificial Chromosome Library. Stem Cells, 2007, 25, 39-45.	3.2	34
125	Converting Human Pluripotent Stem Cells to Neural Tissue and Neurons to Model Neurodegeneration. Methods in Molecular Biology, 2011, 793, 87-97.	0.9	34
126	Modelling familial dysautonomia in human induced pluripotent stem cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 2286-2296.	4.0	34

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127	Making and repairing the mammalian brain – in vitro production of dopaminergic neurons. Seminars in Cell and Developmental Biology, 2003, 14, 181-189.	5.0	32
128	Comparison of the topology and growth rules of motoneuronal dendrites. Journal of Comparative Neurology, 1995, 363, 505-516.	1.6	29
129	Stem cells with brainpower. Nature Biotechnology, 2001, 19, 1117-1118.	17.5	29
130	A hPSC-based platform to discover gene-environment interactions that impact human iPS-cell and dopamine neuron survival. Nature Communications, 2018, 9, 4815.	12.8	29
131	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.	1.5	27
132	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, 11462-11481.	3.6	27
133	Activation of HERV-K(HML-2) disrupts cortical patterning and neuronal differentiation by increasing NTRK3. Cell Stem Cell, 2021, 28, 1566-1581.e8.	11.1	27
134	Optical bioluminescence imaging of human ES cell progeny in the rodent CNS. Journal of Neurochemistry, 2007, 102, 2029-2039.	3.9	26
135	Cellular Reprogramming: Recent Advances in Modeling Neurological Diseases. Journal of Neuroscience, 2011, 31, 16070-16075.	3.6	25
136	Single-Molecule Analysis Reveals Changes in the DNA Replication Program for the <i>POU5F1</i> Locus upon Human Embryonic Stem Cell Differentiation. Molecular and Cellular Biology, 2010, 30, 4521-4534.	2.3	24
137	Lessons Learned from Pioneering Neural Stem Cell Studies. Stem Cell Reports, 2017, 8, 191-193.	4.8	24
138	Expression profiling of lineage differentiation in pluripotent human embryonal carcinoma cells. Cell Growth & Differentiation: the Molecular Biology Journal of the American Association for Cancer Research, 2002, 13, 257-64.	0.8	24
139	Protocols for Generating ES Cell-Derived Dopamine Neurons. Advances in Experimental Medicine and Biology, 2009, 651, 101-111.	1.6	21
140	Therapeutic manipulation of IKBKAP mis-splicing with a small molecule to cure familial dysautonomia. Nature Communications, 2021, 12, 4507.	12.8	21
141	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.	3.5	20
142	Build-a-Brain. Cell Stem Cell, 2013, 13, 377-378.	11.1	20
143	Enhancement of Polysialic Acid Expression Improves Function of Embryonic Stem-Derived Dopamine Neuron Grafts in Parkinsonian Mice. Stem Cells Translational Medicine, 2014, 3, 108-113.	3.3	19
144	Deciphering Human Cell-Autonomous Anti-HSV-1 Immunity in the Central Nervous System. Frontiers in Immunology, 2015, 6, 208.	4.8	19

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145	Comparison of three congruent patient-specific cell types for the modelling of a human genetic Schwann-cell disorder. <i>Nature Biomedical Engineering</i> , 2019, 3, 571-582.	22.5	18
146	Induced pluripotent stem cells: a tool for modeling Parkinsonâ€™s disease. <i>Trends in Neurosciences</i> , 2022, 45, 608-620.	8.6	17
147	Feeder-free Derivation of Neural Crest Progenitor Cells from Human Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2014, , .	0.3	16
148	Epigenetic control of melanoma cell invasiveness by the stem cell factor SALL4. <i>Nature Communications</i> , 2021, 12, 5056.	12.8	15
149	Aging in iPS cells. <i>Aging</i> , 2014, 6, 246-247.	3.1	15
150	Neuron-intrinsic immunity to viruses in mice and humans. <i>Current Opinion in Immunology</i> , 2021, 72, 309-317.	5.5	14
151	Constitutive Gene Expression Predisposes Morphogen-Mediated Cell Fate Responses of NT2/D1 and 27X-1 Human Embryonal Carcinoma Cells. <i>Stem Cells</i> , 2007, 25, 771-778.	3.2	12
152	Accelerated transsulfuration metabolically defines a discrete subclass of amyotrophic lateral sclerosis patients. <i>Neurobiology of Disease</i> , 2020, 144, 105025.	4.4	12
153	Culture of Substantia Nigra Neurons. <i>Current Protocols in Neuroscience</i> , 1997, 00, 3.3.1-3.3.12.	2.6	11
154	Targeting Homologous Recombination in Notch-Driven C. elegans Stem Cell and Human Tumors. <i>PLoS ONE</i> , 2015, 10, e0127862.	2.5	11
155	A Cell Engineering Strategy to Enhance the Safety of Stem Cell Therapies. <i>Cell Reports</i> , 2014, 8, 1677-1685.	6.4	9
156	Wnt1 Overexpression Leads to Enforced Cardiomyogenesis and Inhibition of Hematopoiesis in Murine Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2010, 19, 745-751.	2.1	8
157	Too much Sonic, too few neurons. <i>Nature Neuroscience</i> , 2009, 12, 107-108.	14.8	7
158	The Polycomb Group Protein L3MBTL1 Represses a SMAD5-Mediated Hematopoietic Transcriptional Program in Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2015, 4, 658-669.	4.8	7
159	Neural Crest Cells from Dual SMAD Inhibition. <i>Current Protocols in Stem Cell Biology</i> , 2015, 33, 1H.9.1-1H.9.9.	3.0	6
160	Feeder-free Derivation of Melanocytes from Human Pluripotent Stem Cells. <i>Journal of Visualized Experiments</i> , 2016, , e53806.	0.3	6
161	Mesenchymal Cells. <i>Methods in Enzymology</i> , 2006, 418, 194-208.	1.0	5
162	Early cortical precursors do not undergo LIF-mediated astrocytic differentiationThis article is a US Government work and, as such, is in the public domain in the United States of America.. <i>Journal of Neuroscience Research</i> , 2000, 59, 301.	2.9	5

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163	Parkinson's disease grafts benefit from well-timed growth factor. <i>Nature</i> , 2020, 582, 39-40.	27.8	5
164	Experimental Transplantation in the Embryonic, Neonatal, and Adult Mammalian Brain. <i>Current Protocols in Neuroscience</i> , 1997, 1, 3.10.1-3.10.28.	2.6	4
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