Austin Smith

List of Publications by Year
in descending order

161 papers	42,538 citations	4120 87 h-index	5663 162 g-index
183 all docs	183 docs citations	183 times ranked	27318 citing authors

#	Article	IF	Citations
1	The ground state of embryonic stem cell self-renewal. Nature, 2008, 453, 519-523.	13.7	3,057
2	Formation of Pluripotent Stem Cells in the Mammalian Embryo Depends on the POU Transcription Factor Oct4. Cell, 1998, 95, 379-391.	13.5	3,037
3	Functional Expression Cloning of Nanog, a Pluripotency Sustaining Factor in Embryonic Stem Cells. Cell, 2003, 113, 643-655.	13.5	2,933
4	BMP Induction of Id Proteins Suppresses Differentiation and Sustains Embryonic Stem Cell Self-Renewal in Collaboration with STAT3. Cell, 2003, 115, 281-292.	13.5	1,930
5	Naive and Primed Pluripotent States. Cell Stem Cell, 2009, 4, 487-492.	5.2	1,579
6	Conversion of embryonic stem cells into neuroectodermal precursors in adherent monoculture. Nature Biotechnology, 2003, 21, 183-186.	9.4	1,374
7	Nanog safeguards pluripotency and mediates germline development. Nature, 2007, 450, 1230-1234.	13.7	1,354
8	Nanog Is the Gateway to the Pluripotent Ground State. Cell, 2009, 138, 722-737.	13.5	904
9	Glioma Stem Cell Lines Expanded in Adherent Culture Have Tumor-Specific Phenotypes and Are Suitable for Chemical and Genetic Screens. Cell Stem Cell, 2009, 4, 568-580.	5.2	881
10	Resetting Transcription Factor Control Circuitry toward Ground-State Pluripotency in Human. Cell, 2014, 158, 1254-1269.	13.5	784
11	The Transcriptional and Epigenomic Foundations of Ground State Pluripotency. Cell, 2012, 149, 590-604.	13.5	774
12	Niche-Independent Symmetrical Self-Renewal of a Mammalian Tissue Stem Cell. PLoS Biology, 2005, 3, e283.	2.6	761
13	Promotion of Reprogramming to Ground State Pluripotency by Signal Inhibition. PLoS Biology, 2008, 6, e253.	2.6	728
14	Capture of Authentic Embryonic Stem Cells from Rat Blastocysts. Cell, 2008, 135, 1287-1298.	13.5	725
15	FGF stimulation of the Erk1/2 signalling cascade triggers transition of pluripotent embryonic stem cells from self-renewal to lineage commitment. Development (Cambridge), 2007, 134, 2895-2902.	1.2	695
16	Klf4 reverts developmentally programmed restriction of ground state pluripotency. Development (Cambridge), 2009, 136, 1063-1069.	1.2	669
17	Signalling, cell cycle and pluripotency in embryonic stem cells. Trends in Cell Biology, 2002, 12, 432-438.	3.6	667
18	Suppression of SHP-2 and ERK Signalling Promotes Self-Renewal of Mouse Embryonic Stem Cells. Developmental Biology, 1999, 210, 30-43.	0.9	517

#	Article	IF	Citations
19	Suppression of Erk signalling promotes ground state pluripotency in the mouse embryo. Development (Cambridge), 2009, 136, 3215-3222.	1.2	512
20	Self-renewal of teratocarcinoma and embryonic stem cells. Oncogene, 2004, 23, 7150-7160.	2.6	489
21	Neuroepithelial Cells Supply an Initial Transient Wave of MSC Differentiation. Cell, 2007, 129, 1377-1388.	13.5	481
22	Inhibition of glycogen synthase kinase-3 alleviates Tcf3 repression of the pluripotency network and increases embryonic stem cell resistance to differentiation. Nature Cell Biology, 2011, 13, 838-845.	4.6	475
23	Naive pluripotency is associated with global DNA hypomethylation. Nature Structural and Molecular Biology, 2013, 20, 311-316.	3.6	465
24	Generation of purified neural precursors from embryonic stem cells by lineage selection. Current Biology, 1998, 8, 971-S2.	1.8	443
25	Capturing Pluripotency. Cell, 2008, 132, 532-536.	13.5	413
26	The ability of inner-cell-mass cells to self-renew asÂembryonic stem cells is acquired following epiblastÂspecification. Nature Cell Biology, 2014, 16, 513-525.	4.6	386
27	Lineage-Specific Profiling Delineates the Emergence and Progression of Naive Pluripotency in Mammalian Embryogenesis. Developmental Cell, 2015, 35, 366-382.	3.1	383
28	The Nature of Embryonic Stem Cells. Annual Review of Cell and Developmental Biology, 2014, 30, 647-675.	4.0	371
29	Defining an essential transcription factor program for naÃ¯ve pluripotency. Science, 2014, 344, 1156-1160.	6.0	362
30	Esrrb Is a Pivotal Target of the Gsk3/Tcf3 Axis Regulating Embryonic Stem Cell Self-Renewal. Cell Stem Cell, 2012, 11, 491-504.	5.2	348
31	Formative pluripotency: the executive phase in a developmental continuum. Development (Cambridge), 2017, 144, 365-373.	1.2	345
32	Oct4 and LIF/Stat3 Additively Induce KrÃ¼ppel Factors to Sustain Embryonic Stem Cell Self-Renewal. Cell Stem Cell, 2009, 5, 597-609.	5.2	341
33	The ground state of pluripotency. Biochemical Society Transactions, 2010, 38, 1027-1032.	1.6	323
34	Nanog promotes transfer of pluripotency after cell fusion. Nature, 2006, 441, 997-1001.	13.7	321
35	Essential function of LIF receptor in motor neurons. Nature, 1995, 378, 724-727.	13.7	319
36	Naive Pluripotent Stem Cells Derived Directly from Isolated Cells of the Human Inner Cell Mass. Stem Cell Reports, 2016, 6, 437-446.	2.3	310

#	Article	IF	Citations
37	Functional gene screening in embryonic stem cells implicates Wnt antagonism in neural differentiation. Nature Biotechnology, 2002, 20, 1240-1245.	9.4	303
38	Exit from Pluripotency Is Gated by Intracellular Redistribution of the bHLH Transcription Factor Tfe3. Cell, 2013, 153, 335-347.	13.5	296
39	Pluripotency in the Embryo and in Culture. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008128-a008128.	2.3	256
40	Capture of Neuroepithelial-Like Stem Cells from Pluripotent Stem Cells Provides a Versatile System for In Vitro Production of Human Neurons. PLoS ONE, 2012, 7, e29597.	1.1	254
41	Reprogramming Efficiency Following Somatic Cell Nuclear Transfer Is Influenced by the Differentiation and Methylation State of the Donor Nucleus. Stem Cells, 2006, 24, 2007-2013.	1.4	251
42	Osteogenic and chondrogenic differentiation of embryonic stem cells in response to specific growth factors. Bone, 2005, 36, 758-769.	1.4	245
43	Notch Promotes Neural Lineage Entry by Pluripotent Embryonic Stem Cells. PLoS Biology, 2006, 4, e121.	2.6	234
44	Adherent Neural Stem (NS) Cells from Fetal and Adult Forebrain. Cerebral Cortex, 2006, 16, i112-i120.	1.6	233
45	Physiological rationale for responsiveness of mouse embryonic stem cells to gp130 cytokines. Development (Cambridge), 2001, 128, 2333-2339.	1.2	230
46	Screening for mammalian neural genes via fluorescence-activated cell sorter purification of neural precursors from Sox1-gfp knock-in mice. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 11836-11841.	3.3	228
47	Tracking the embryonic stem cell transition from ground state pluripotency. Development (Cambridge), 2017, 144, 1221-1234.	1.2	226
48	Epigenetic resetting of human pluripotency. Development (Cambridge), 2017, 144, 2748-2763.	1.2	225
49	Stat3 Activation Is Limiting for Reprogramming to Ground State Pluripotency. Cell Stem Cell, 2010, 7, 319-328.	5.2	215
50	Treatment of a Mouse Model of Spinal Cord Injury by Transplantation of Human Induced Pluripotent Stem Cell-Derived Long-Term Self-Renewing Neuroepithelial-Like Stem Cells. Stem Cells, 2012, 30, 1163-1173.	1.4	209
51	Myc Depletion Induces a Pluripotent Dormant State Mimicking Diapause. Cell, 2016, 164, 668-680.	13.5	209
52	Human hypoblast formation is not dependent on FGF signalling. Developmental Biology, 2012, 361, 358-363.	0.9	208
53	Human naive epiblast cells possess unrestricted lineage potential. Cell Stem Cell, 2021, 28, 1040-1056.e6.	5.2	201
54	Maintenance of the pluripotential phenotype of embryonic stem cells through direct activation of gp130 signalling pathways. Mechanisms of Development, 1994, 45, 163-171.	1.7	200

#	Article	IF	Citations
55	Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. Molecular and Cellular Neurosciences, 2008, 38, 245-258.	1.0	199
56	Identification of the missing pluripotency mediator downstream of leukaemia inhibitory factor. EMBO Journal, 2013, 32, 2561-2574.	3.5	199
57	Validated germline-competent embryonic stem cell lines from nonobese diabetic mice. Nature Medicine, 2009, 15, 814-818.	15.2	188
58	The origin and identity of embryonic stem cells. Development (Cambridge), 2011, 138, 3-8.	1.2	183
59	Mapping the route from naive pluripotency to lineage specification. Philosophical Transactions of the Royal Society B: Biological Sciences, 2014, 369, 20130540.	1.8	183
60	Signaling Mechanisms Regulating Self-Renewal and Differentiation of Pluripotent Embryonic Stem Cells. Cells Tissues Organs, 1999, 165, 131-143.	1.3	178
61	A Schwann cell mitogen accompanying regeneration of motor neurons. Nature, 1997, 390, 614-618.	13.7	173
62	Genetic Exploration of the Exit from Self-Renewal Using Haploid Embryonic Stem Cells. Cell Stem Cell, 2014, 14, 385-393.	5.2	170
63	Single cell transcriptome analysis of human, marmoset and mouse embryos reveals common and divergent features of preimplantation development. Development (Cambridge), 2018, 145, .	1.2	167
64	Naive stem cell blastocyst model captures human embryo lineage segregation. Cell Stem Cell, 2021, 28, 1016-1022.e4.	5.2	162
65	The first reported generation of several induced pluripotent stem cell lines from homozygous and heterozygous Huntington's disease patients demonstrates mutation related enhanced lysosomal activity. Neurobiology of Disease, 2012, 46, 41-51.	2.1	159
66	Stat3 promotes mitochondrial transcription and oxidative respiration during maintenance and induction of naive pluripotency. EMBO Journal, 2016, 35, 618-634.	3.5	155
67	Integrated analysis of single-cell embryo data yields a unified transcriptome signature for the human preimplantation epiblast. Development (Cambridge), 2018, 145, .	1.2	155
68	Nanog Overcomes Reprogramming Barriers and Induces Pluripotency in Minimal Conditions. Current Biology, 2011, 21, 65-71.	1.8	154
69	Capture of Mouse and Human Stem Cells with Features of Formative Pluripotency. Cell Stem Cell, 2021, 28, 453-471.e8.	5.2	151
70	A glossary for stem-cell biology. Nature, 2006, 441, 1060-1060.	13.7	147
71	A genome-wide screen in EpiSCs identifies Nr5a nuclear receptors as potent inducers of ground state pluripotency. Development (Cambridge), 2010, 137, 3185-3192.	1.2	147
72	Rapid Loss of Oct-4 and Pluripotency in Cultured Rodent Blastocysts and Derivative Cell Lines1. Biology of Reproduction, 2003, 68, 222-229.	1.2	141

#	Article	IF	Citations
73	Embryonic germ cells from mice and rats exhibit properties consistent with a generic pluripotent ground state. Development (Cambridge), 2010, 137, 2279-2287.	1.2	133
74	Complementary tissue-specific expression of LIF and LIF-receptor mRNAs in early mouse embryogenesis. Mechanisms of Development, 1996, 57, 123-131.	1.7	132
75	Engineering the mouse genome with bacterial artificial chromosomes to create multipurpose alleles. Nature Biotechnology, 2003, 21, 443-447.	9.4	126
76	Essential Alterations of Heparan Sulfate During the Differentiation of Embryonic Stem Cells to Sox1-Enhanced Green Fluorescent Protein-Expressing Neural Progenitor Cells. Stem Cells, 2007, 25, 1913-1923.	1.4	126
77	Normal timing of oligodendrocyte development from genetically engineered,lineage-selectable mouse ES cells. Journal of Cell Science, 2002, 115, 3657-3665.	1.2	123
78	Widespread resetting of DNA methylation in glioblastoma-initiating cells suppresses malignant cellular behavior in a lineage-dependent manner. Genes and Development, 2013, 27, 654-669.	2.7	121
79	Fusion brings down barriers. Nature, 2003, 422, 823-825.	13.7	120
80	SoxB transcription factors specify neuroectodermal lineage choice in ES cells. Molecular and Cellular Neurosciences, 2004, 27, 332-342.	1.0	117
81	Otx2 and Oct4 Drive Early Enhancer Activation during Embryonic Stem Cell Transition from Naive Pluripotency. Cell Reports, 2014, 7, 1968-1981.	2.9	117
82	CD133 (Prominin) Negative Human Neural Stem Cells Are Clonogenic and Tripotent. PLoS ONE, 2009, 4, e5498.	1.1	115
83	Paracrine Induction of Stem Cell Renewal by LIF-Deficient Cells: A New ES Cell Regulatory Pathway. Developmental Biology, 1998, 203, 149-162.	0.9	110
84	Mouse and human induced pluripotent stem cells as a source for multipotent Isl1⁺cardiovascular progenitors. FASEB Journal, 2010, 24, 700-711.	0.2	110
85	Genesis of embryonic stem cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2003, 358, 1397-1402.	1.8	109
86	Dynamics of gene silencing during X inactivation using allele-specific RNA-seq. Genome Biology, 2015, 16, 149.	3.8	104
87	Tripotential Differentiation of Adherently Expandable Neural Stem (NS) Cells. PLoS ONE, 2007, 2, e298.	1.1	96
88	JAK/STAT3 signalling is sufficient and dominant over antagonistic cues for the establishment of naive pluripotency. Nature Communications, 2012, 3, 817.	5.8	93
89	Parameters influencing derivation of embryonic stem cells from murine embryos. Genesis, 2008, 46, 758-767.	0.8	88
90	Complementary Activity of ETV5, RBPJ, and TCF3 Drives Formative Transition from Naive Pluripotency. Cell Stem Cell, 2019, 24, 785-801.e7.	5.2	85

#	Article	IF	Citations
91	Characterization of the uterine phenotype during the peri-implantation period for LIF-null, MF1 strain mice. Developmental Biology, 2005, 281, 1-21.	0.9	84
92	The Liberation of Embryonic Stem Cells. PLoS Genetics, 2011, 7, e1002019.	1.5	84
93	The Cell-Surface Marker Sushi Containing Domain 2 Facilitates Establishment of Human Naive Pluripotent Stem Cells. Stem Cell Reports, 2019, 12, 1212-1222.	2.3	83
94	Capacitation of human naÃ¯ve pluripotent stem cells for multi-lineage differentiation. Development (Cambridge), 2019, 146, .	1.2	83
95	Derivation of Germline Competent Embryonic Stem Cells with a Combination of Interleukin-6 and Soluble Interleukin-6 Receptor. Experimental Cell Research, 1994, 215, 237-239.	1.2	81
96	Differentiation of Human Induced Pluripotent Stem Cells into Brown and White Adipocytes: Role of Pax3. Stem Cells, 2014, 32, 1459-1467.	1.4	77
97	Defined conditions for propagation and manipulation of mouse embryonic stem cells. Development (Cambridge), 2019, 146, .	1.2	77
98	Stem Cells Expanded from the Human Embryonic Hindbrain Stably Retain Regional Specification and High Neurogenic Potency. Journal of Neuroscience, 2013, 33, 12407-12422.	1.7	74
99	NODAL Secures Pluripotency upon Embryonic Stem Cell Progression fromÂthe Ground State. Stem Cell Reports, 2017, 9, 77-91.	2.3	74
100	A Genome-Wide RNAi Screen Reveals MAP Kinase Phosphatases as Key ERK Pathway Regulators during Embryonic Stem Cell Differentiation. PLoS Genetics, 2012, 8, e1003112.	1.5	72
101	Pluripotency Deconstructed. Development Growth and Differentiation, 2018, 60, 44-52.	0.6	72
102	Germline potential of parthenogenetic haploid mouse embryonic stem cells. Development (Cambridge), 2012, 139, 3301-3305.	1.2	70
103	Isolation and propagation of enteric neural crest progenitor cells from mouse embryonic stem cells and embryos. Development (Cambridge), 2010, 137, 693-704.	1.2	68
104	Interplay of cellâ€"cell contacts and RhoA/ <scp>MRTF</scp> â€A signaling regulates cardiomyocyte identity. EMBO Journal, 2018, 37, .	3.5	66
105	Identification of Genes Regulated by Leukemia-Inhibitory Factor in the Mouse Uterus at the Time of Implantation. Molecular Endocrinology, 2004, 18, 2185-2195.	3.7	63
106	Rebuilding Pluripotency from Primordial Germ Cells. Stem Cell Reports, 2013, 1, 66-78.	2.3	63
107	Robust Self-Renewal of Rat Embryonic Stem Cells Requires Fine-Tuning ofÂGlycogen Synthase Kinase-3 Inhibition. Stem Cell Reports, 2013, 1, 209-217.	2.3	61
108	A PiggyBac-Based Recessive Screening Method to Identify Pluripotency Regulators. PLoS ONE, 2011, 6, e18189.	1.1	61

#	Article	IF	Citations
109	Wnt Inhibition Facilitates RNA-Mediated Reprogramming of Human Somatic Cells to Naive Pluripotency. Stem Cell Reports, 2019, 13, 1083-1098.	2.3	60
110	Interplay between FGF2 and BMP controls the self-renewal, dormancy and differentiation of rat neural stem cells. Journal of Cell Science, 2011, 124, 1867-1877.	1.2	59
111	Sox2 and Pax6 maintain the proliferative and developmental potential of gliogenic neural stem cells <i>In vitro</i>. Glia, 2011, 59, 1588-1599.	2.5	57
112	Fibroblast growth factor induces a neural stem cell phenotype in foetal forebrain progenitors and during embryonic stem cell differentiation. Molecular and Cellular Neurosciences, 2008, 38, 393-403.	1.0	56
113	Engineering Genetic Predisposition in Human Neuroepithelial Stem Cells Recapitulates Medulloblastoma Tumorigenesis. Cell Stem Cell, 2019, 25, 433-446.e7.	5.2	56
114	The mammalian germline as a pluripotency cycle. Development (Cambridge), 2013, 140, 2495-2501.	1.2	55
115	A High-Content Small Molecule Screen Identifies Sensitivity of Glioblastoma Stem Cells to Inhibition of Polo-Like Kinase 1. PLoS ONE, 2013, 8, e77053.	1.1	53
116	Cell therapy: In search of pluripotency. Current Biology, 1998, 8, R802-R804.	1.8	48
117	Maintenance of pluripotential embryonic stem cells by stem cell selection. Reproduction, Fertility and Development, 1998, 10, 527.	0.1	48
118	Esrrb Complementation Rescues Development of Nanog-Null Germ Cells. Cell Reports, 2018, 22, 332-339.	2.9	45
119	A method to identify and analyze biological programs through automated reasoning. Npj Systems Biology and Applications, 2016, 2, .	1.4	42
120	The Art of Capturing Pluripotency: Creating the Right Culture. Stem Cell Reports, 2017, 8, 1457-1464.	2.3	39
121	Induction of superficial cortical layer neurons from mouse embryonic stem cells by valproic acid. Neuroscience Research, 2012, 72, 23-31.	1.0	38
122	Automated Large-Scale Culture and Medium-Throughput Chemical Screen for Modulators of Proliferation and Viability of Human Induced Pluripotent Stem Cellâ€"Derived Neuroepithelial-like Stem Cells. Journal of Biomolecular Screening, 2013, 18, 258-268.	2.6	38
123	Unequal segregation of parental chromosomes in embryonic stem cell hybrids. Molecular Reproduction and Development, 2005, 71, 305-314.	1.0	37
124	Nanog Heterogeneity: Tilting at Windmills?. Cell Stem Cell, 2013, 13, 6-7.	5.2	37
125	Convergence of cMyc and Î²â€catenin on Tcf7l1 enables endoderm specification. EMBO Journal, 2016, 35, 356-368.	3.5	35
126	A lncRNA fine tunes the dynamics of a cell state transition involving Lin28, let-7 and de novo DNA methylation. ELife, 2017, 6, .	2.8	35

#	Article	IF	Citations
127	Longâ€Term Perfusion Culture of Monoclonal Embryonic Stem Cells in 3D Hydrogel Beads for Continuous Optical Analysis of Differentiation. Small, 2019, 15, e1804576.	5.2	35
128	Pluripotent stem cells related to embryonic disc exhibit common self-renewal requirements in diverse livestock species. Development (Cambridge), 2021, 148, .	1.2	35
129	Towards consistent generation of pancreatic lineage progenitors from human pluripotent stem cells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140365.	1.8	34
130	A common molecular logic determines embryonic stem cell selfâ€renewal and reprogramming. EMBO Journal, 2019, 38, .	3.5	34
131	A Model-Based Analysis of Culture-Dependent Phenotypes of mESCs. PLoS ONE, 2014, 9, e92496.	1.1	32
132	Cooperative genetic networks drive embryonic stem cell transition from naÃ¯ve to formative pluripotency. EMBO Journal, 2021, 40, e105776.	3.5	31
133	The Battlefield of Pluripotency. Cell, 2005, 123, 757-760.	13.5	28
134	Exploitation of adherent neural stem cells in basic and applied neurobiology. Regenerative Medicine, 2006, 1, 111-118.	0.8	28
135	Imaging-based chemical screens using normal and glioma-derived neural stem cells. Biochemical Society Transactions, 2010, 38, 1067-1071.	1.6	28
136	Negative feedback via RSK modulates Erkâ€dependent progression from naÃ¯ve pluripotency. EMBO Reports, 2018, 19, .	2.0	28
137	Neural Stem Cells Engrafted in the Adult Brain Fuse with Endogenous Neurons. Stem Cells and Development, 2013, 22, 538-547.	1.1	22
138	Self-organizing circuitry and emergent computation in mouse embryonic stem cells. Stem Cell Research, 2012, 8, 324-333.	0.3	21
139	Rat and mouse epiblasts differ in their capacity to generate extraembryonic endoderm. Reproduction, Fertility and Development, 1998, 10, 517.	0.1	20
140	Brain Cancer Stem Cells: A Level Playing Field. Cell Stem Cell, 2009, 5, 468-469.	5.2	20
141	Zfp281 orchestrates interconversion of pluripotent states by engaging Ehmt1 and Zic2. EMBO Journal, 2020, 39, e102591.	3.5	20
142	Cell state transitions: definitions and challenges. Development (Cambridge), 2021, 148, .	1.2	18
143	Microfluidic platform for 3D cell culture with live imaging and clone retrieval. Lab on A Chip, 2020, 20, 2580-2591.	3.1	17
144	NMD is required for timely cell fate transitions by fine-tuning gene expression and regulating translation. Genes and Development, 2022, 36, 348-367.	2.7	17

#	Article	IF	Citations
145	Cancer-Related Mutations Are Not Enriched in Naive Human Pluripotent Stem Cells. Cell Stem Cell, 2021, 28, 164-169.e2.	5.2	14
146	Disabling de novo DNA methylation in embryonic stem cells allows an illegitimate fate trajectory. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	14
147	Looking inwards: opening a window onto human development. Development (Cambridge), 2015, 142, 1-2.	1.2	13
148	An unpaired mouse centromere passes consistently through male meiosis and does not significantly compromise spermatogenesis. Chromosoma, 2003, 112, 183-189.	1.0	11
149	'No' to ban on stem-cell patents. Nature, 2011, 472, 418-418.	13.7	11
150	Design principles of pluripotency. EMBO Molecular Medicine, 2009, 1, 251-254.	3.3	10
151	Pluripotent stem cells: private obsession and public expectation. EMBO Molecular Medicine, 2010, 2, 113-116.	3.3	10
152	Gene Editing in Rat Embryonic Stem Cells to Produce InÂVitro Models and InÂVivo Reporters. Stem Cell Reports, 2017, 9, 1262-1274.	2.3	10
153	Introduction: Mammalian stem cell systems. Seminars in Cell Biology, 1992, 3, 383-384.	3.5	9
154	A conceptual and computational framework for modelling and understanding the non-equilibrium gene regulatory networks of mouse embryonic stem cells. PLoS Computational Biology, 2017, 13, e1005713.	1.5	7
155	GMP-grade neural progenitor derivation and differentiation from clinical-grade human embryonic stem cells. Stem Cell Research and Therapy, 2020, 11, 406.	2.4	7
156	Differentiation and gene regulation Programming, reprogramming and regeneration. Current Opinion in Genetics and Development, 2003, 13, 445-447.	1.5	6
157	In Vitro Recapitulation of Developmental Transitions in Human Neural Stem Cells. Stem Cells, 2019, 37, 1429-1440.	1.4	6
158	Potency unchained. Nature, 2014, 505, 622-623.	13.7	4
159	LIF-dependent survival of embryonic stem cells is regulated by a novel palmitoylated Gab1 signalling protein. Journal of Cell Science, 2018, 131, .	1.2	4
160	Stem cells and regeneration: a special issue. Development (Cambridge), 2013, 140, 2445-2445.	1.2	3
161	Interplay between FGF2 and BMP controls the self-renewal, dormancy and differentiation of rat neural stem cells. Development (Cambridge), 2011, 138, e1-e1.	1.2	1