

Austin Smith

List of Publications by Year in descending order

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161
papers

42,538
citations

4146

87
h-index

5679

162
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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. <i>Nature</i> , 2008, 453, 519-523.	27.8	3,057
2	Formation of Pluripotent Stem Cells in the Mammalian Embryo Depends on the POU Transcription Factor Oct4. <i>Cell</i> , 1998, 95, 379-391.	28.9	3,037
3	Functional Expression Cloning of Nanog, a Pluripotency Sustaining Factor in Embryonic Stem Cells. <i>Cell</i> , 2003, 113, 643-655.	28.9	2,933
4	BMP Induction of Id Proteins Suppresses Differentiation and Sustains Embryonic Stem Cell Self-Renewal in Collaboration with STAT3. <i>Cell</i> , 2003, 115, 281-292.	28.9	1,930
5	Naive and Primed Pluripotent States. <i>Cell Stem Cell</i> , 2009, 4, 487-492.	11.1	1,579
6	Conversion of embryonic stem cells into neuroectodermal precursors in adherent monoculture. <i>Nature Biotechnology</i> , 2003, 21, 183-186.	17.5	1,374
7	Nanog safeguards pluripotency and mediates germline development. <i>Nature</i> , 2007, 450, 1230-1234.	27.8	1,354
8	Nanog Is the Gateway to the Pluripotent Ground State. <i>Cell</i> , 2009, 138, 722-737.	28.9	904
9	Glioma Stem Cell Lines Expanded in Adherent Culture Have Tumor-Specific Phenotypes and Are Suitable for Chemical and Genetic Screens. <i>Cell Stem Cell</i> , 2009, 4, 568-580.	11.1	881
10	Resetting Transcription Factor Control Circuitry toward Ground-State Pluripotency in Human. <i>Cell</i> , 2014, 158, 1254-1269.	28.9	784
11	The Transcriptional and Epigenomic Foundations of Ground State Pluripotency. <i>Cell</i> , 2012, 149, 590-604.	28.9	774
12	Niche-Independent Symmetrical Self-Renewal of a Mammalian Tissue Stem Cell. <i>PLoS Biology</i> , 2005, 3, e283.	5.6	761
13	Promotion of Reprogramming to Ground State Pluripotency by Signal Inhibition. <i>PLoS Biology</i> , 2008, 6, e253.	5.6	728
14	Capture of Authentic Embryonic Stem Cells from Rat Blastocysts. <i>Cell</i> , 2008, 135, 1287-1298.	28.9	725
15	FGF stimulation of the Erk1/2 signalling cascade triggers transition of pluripotent embryonic stem cells from self-renewal to lineage commitment. <i>Development (Cambridge)</i> , 2007, 134, 2895-2902.	2.5	695
16	Klf4 reverts developmentally programmed restriction of ground state pluripotency. <i>Development (Cambridge)</i> , 2009, 136, 1063-1069.	2.5	669
17	Signalling, cell cycle and pluripotency in embryonic stem cells. <i>Trends in Cell Biology</i> , 2002, 12, 432-438.	7.9	667
18	Suppression of SHP-2 and ERK Signalling Promotes Self-Renewal of Mouse Embryonic Stem Cells. <i>Developmental Biology</i> , 1999, 210, 30-43.	2.0	517

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19	Suppression of Erk signalling promotes ground state pluripotency in the mouse embryo. <i>Development (Cambridge)</i> , 2009, 136, 3215-3222.	2.5	512
20	Self-renewal of teratocarcinoma and embryonic stem cells. <i>Oncogene</i> , 2004, 23, 7150-7160.	5.9	489
21	Neuroepithelial Cells Supply an Initial Transient Wave of MSC Differentiation. <i>Cell</i> , 2007, 129, 1377-1388.	28.9	481
22	Inhibition of glycogen synthase kinase-3 alleviates Tcf3 repression of the pluripotency network and increases embryonic stem cell resistance to differentiation. <i>Nature Cell Biology</i> , 2011, 13, 838-845.	10.3	475
23	Naive pluripotency is associated with global DNA hypomethylation. <i>Nature Structural and Molecular Biology</i> , 2013, 20, 311-316.	8.2	465
24	Generation of purified neural precursors from embryonic stem cells by lineage selection. <i>Current Biology</i> , 1998, 8, 971-S2.	3.9	443
25	Capturing Pluripotency. <i>Cell</i> , 2008, 132, 532-536.	28.9	413
26	The ability of inner-cell-mass cells to self-renew as embryonic stem cells is acquired following epiblast specification. <i>Nature Cell Biology</i> , 2014, 16, 513-525.	10.3	386
27	Lineage-Specific Profiling Delineates the Emergence and Progression of Naive Pluripotency in Mammalian Embryogenesis. <i>Developmental Cell</i> , 2015, 35, 366-382.	7.0	383
28	The Nature of Embryonic Stem Cells. <i>Annual Review of Cell and Developmental Biology</i> , 2014, 30, 647-675.	9.4	371
29	Defining an essential transcription factor program for naive pluripotency. <i>Science</i> , 2014, 344, 1156-1160.	12.6	362
30	Esrrb Is a Pivotal Target of the Gsk3/Tcf3 Axis Regulating Embryonic Stem Cell Self-Renewal. <i>Cell Stem Cell</i> , 2012, 11, 491-504.	11.1	348
31	Formative pluripotency: the executive phase in a developmental continuum. <i>Development (Cambridge)</i> , 2017, 144, 365-373.	2.5	345
32	Oct4 and LIF/Stat3 Additively Induce Krüppel Factors to Sustain Embryonic Stem Cell Self-Renewal. <i>Cell Stem Cell</i> , 2009, 5, 597-609.	11.1	341
33	The ground state of pluripotency. <i>Biochemical Society Transactions</i> , 2010, 38, 1027-1032.	3.4	323
34	Nanog promotes transfer of pluripotency after cell fusion. <i>Nature</i> , 2006, 441, 997-1001.	27.8	321
35	Essential function of LIF receptor in motor neurons. <i>Nature</i> , 1995, 378, 724-727.	27.8	319
36	Naive Pluripotent Stem Cells Derived Directly from Isolated Cells of the Human Inner Cell Mass. <i>Stem Cell Reports</i> , 2016, 6, 437-446.	4.8	310

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37	Functional gene screening in embryonic stem cells implicates Wnt antagonism in neural differentiation. <i>Nature Biotechnology</i> , 2002, 20, 1240-1245.	17.5	303
38	Exit from Pluripotency Is Gated by Intracellular Redistribution of the bHLH Transcription Factor Tfe3. <i>Cell</i> , 2013, 153, 335-347.	28.9	296
39	Pluripotency in the Embryo and in Culture. <i>Cold Spring Harbor Perspectives in Biology</i> , 2012, 4, a008128-a008128.	5.5	256
40	Capture of Neuroepithelial-Like Stem Cells from Pluripotent Stem Cells Provides a Versatile System for In Vitro Production of Human Neurons. <i>PLoS ONE</i> , 2012, 7, e29597.	2.5	254
41	Reprogramming Efficiency Following Somatic Cell Nuclear Transfer Is Influenced by the Differentiation and Methylation State of the Donor Nucleus. <i>Stem Cells</i> , 2006, 24, 2007-2013.	3.2	251
42	Osteogenic and chondrogenic differentiation of embryonic stem cells in response to specific growth factors. <i>Bone</i> , 2005, 36, 758-769.	2.9	245
43	Notch Promotes Neural Lineage Entry by Pluripotent Embryonic Stem Cells. <i>PLoS Biology</i> , 2006, 4, e121.	5.6	234
44	Adherent Neural Stem (NS) Cells from Fetal and Adult Forebrain. <i>Cerebral Cortex</i> , 2006, 16, i112-i120.	2.9	233
45	Physiological rationale for responsiveness of mouse embryonic stem cells to gp130 cytokines. <i>Development (Cambridge)</i> , 2001, 128, 2333-2339.	2.5	230
46	Screening for mammalian neural genes via fluorescence-activated cell sorter purification of neural precursors from <i>Sox1</i> - <i>gfp</i> knock-in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11836-11841.	7.1	228
47	Tracking the embryonic stem cell transition from ground state pluripotency. <i>Development (Cambridge)</i> , 2017, 144, 1221-1234.	2.5	226
48	Epigenetic resetting of human pluripotency. <i>Development (Cambridge)</i> , 2017, 144, 2748-2763.	2.5	225
49	Stat3 Activation Is Limiting for Reprogramming to Ground State Pluripotency. <i>Cell Stem Cell</i> , 2010, 7, 319-328.	11.1	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. <i>Stem Cells</i> , 2012, 30, 1163-1173.	3.2	209
51	Myc Depletion Induces a Pluripotent Dormant State Mimicking Diapause. <i>Cell</i> , 2016, 164, 668-680.	28.9	209
52	Human hypoblast formation is not dependent on FGF signalling. <i>Developmental Biology</i> , 2012, 361, 358-363.	2.0	208
53	Human naive epiblast cells possess unrestricted lineage potential. <i>Cell Stem Cell</i> , 2021, 28, 1040-1056.e6.	11.1	201
54	Maintenance of the pluripotential phenotype of embryonic stem cells through direct activation of gp130 signalling pathways. <i>Mechanisms of Development</i> , 1994, 45, 163-171.	1.7	200

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55	Long-term tripotent differentiation capacity of human neural stem (NS) cells in adherent culture. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 245-258.	2.2	199
56	Identification of the missing pluripotency mediator downstream of leukaemia inhibitory factor. <i>EMBO Journal</i> , 2013, 32, 2561-2574.	7.8	199
57	Validated germline-competent embryonic stem cell lines from nonobese diabetic mice. <i>Nature Medicine</i> , 2009, 15, 814-818.	30.7	188
58	The origin and identity of embryonic stem cells. <i>Development (Cambridge)</i> , 2011, 138, 3-8.	2.5	183
59	Mapping the route from naive pluripotency to lineage specification. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2014, 369, 20130540.	4.0	183
60	Signaling Mechanisms Regulating Self-Renewal and Differentiation of Pluripotent Embryonic Stem Cells. <i>Cells Tissues Organs</i> , 1999, 165, 131-143.	2.3	178
61	A Schwann cell mitogen accompanying regeneration of motor neurons. <i>Nature</i> , 1997, 390, 614-618.	27.8	173
62	Genetic Exploration of the Exit from Self-Renewal Using Haploid Embryonic Stem Cells. <i>Cell Stem Cell</i> , 2014, 14, 385-393.	11.1	170
63	Single cell transcriptome analysis of human, marmoset and mouse embryos reveals common and divergent features of preimplantation development. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	167
64	Naive stem cell blastocyst model captures human embryo lineage segregation. <i>Cell Stem Cell</i> , 2021, 28, 1016-1022.e4.	11.1	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. <i>Neurobiology of Disease</i> , 2012, 46, 41-51.	4.4	159
66	Stat3 promotes mitochondrial transcription and oxidative respiration during maintenance and induction of naive pluripotency. <i>EMBO Journal</i> , 2016, 35, 618-634.	7.8	155
67	Integrated analysis of single-cell embryo data yields a unified transcriptome signature for the human preimplantation epiblast. <i>Development (Cambridge)</i> , 2018, 145, .	2.5	155
68	Nanog Overcomes Reprogramming Barriers and Induces Pluripotency in Minimal Conditions. <i>Current Biology</i> , 2011, 21, 65-71.	3.9	154
69	Capture of Mouse and Human Stem Cells with Features of Formative Pluripotency. <i>Cell Stem Cell</i> , 2021, 28, 453-471.e8.	11.1	151
70	A glossary for stem-cell biology. <i>Nature</i> , 2006, 441, 1060-1060.	27.8	147
71	A genome-wide screen in EpiSCs identifies Nr5a nuclear receptors as potent inducers of ground state pluripotency. <i>Development (Cambridge)</i> , 2010, 137, 3185-3192.	2.5	147
72	Rapid Loss of Oct-4 and Pluripotency in Cultured Rodent Blastocysts and Derivative Cell Lines ¹ . <i>Biology of Reproduction</i> , 2003, 68, 222-229.	2.7	141

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73	Embryonic germ cells from mice and rats exhibit properties consistent with a generic pluripotent ground state. <i>Development (Cambridge)</i> , 2010, 137, 2279-2287.	2.5	133
74	Complementary tissue-specific expression of LIF and LIF-receptor mRNAs in early mouse embryogenesis. <i>Mechanisms of Development</i> , 1996, 57, 123-131.	1.7	132
75	Engineering the mouse genome with bacterial artificial chromosomes to create multipurpose alleles. <i>Nature Biotechnology</i> , 2003, 21, 443-447.	17.5	126
76	Essential Alterations of Heparan Sulfate During the Differentiation of Embryonic Stem Cells to Sox1-Enhanced Green Fluorescent Protein-Expressing Neural Progenitor Cells. <i>Stem Cells</i> , 2007, 25, 1913-1923.	3.2	126
77	Normal timing of oligodendrocyte development from genetically engineered, lineage-selectable mouse ES cells. <i>Journal of Cell Science</i> , 2002, 115, 3657-3665.	2.0	123
78	Widespread resetting of DNA methylation in glioblastoma-initiating cells suppresses malignant cellular behavior in a lineage-dependent manner. <i>Genes and Development</i> , 2013, 27, 654-669.	5.9	121
79	Fusion brings down barriers. <i>Nature</i> , 2003, 422, 823-825.	27.8	120
80	SoxB transcription factors specify neuroectodermal lineage choice in ES cells. <i>Molecular and Cellular Neurosciences</i> , 2004, 27, 332-342.	2.2	117
81	Otx2 and Oct4 Drive Early Enhancer Activation during Embryonic Stem Cell Transition from Naive Pluripotency. <i>Cell Reports</i> , 2014, 7, 1968-1981.	6.4	117
82	CD133 (Prominin) Negative Human Neural Stem Cells Are Clonogenic and Tripotent. <i>PLoS ONE</i> , 2009, 4, e5498.	2.5	115
83	Paracrine Induction of Stem Cell Renewal by LIF-Deficient Cells: A New ES Cell Regulatory Pathway. <i>Developmental Biology</i> , 1998, 203, 149-162.	2.0	110
84	Mouse and human induced pluripotent stem cells as a source for multipotent Isl1 ⁺ cardiovascular progenitors. <i>FASEB Journal</i> , 2010, 24, 700-711.	0.5	110
85	Genesis of embryonic stem cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2003, 358, 1397-1402.	4.0	109
86	Dynamics of gene silencing during X inactivation using allele-specific RNA-seq. <i>Genome Biology</i> , 2015, 16, 149.	8.8	104
87	Tripotential Differentiation of Adherently Expandable Neural Stem (NS) Cells. <i>PLoS ONE</i> , 2007, 2, e298.	2.5	96
88	JAK/STAT3 signalling is sufficient and dominant over antagonistic cues for the establishment of naive pluripotency. <i>Nature Communications</i> , 2012, 3, 817.	12.8	93
89	Parameters influencing derivation of embryonic stem cells from murine embryos. <i>Genesis</i> , 2008, 46, 758-767.	1.6	88
90	Complementary Activity of ETV5, RBPJ, and TCF3 Drives Formative Transition from Naive Pluripotency. <i>Cell Stem Cell</i> , 2019, 24, 785-801.e7.	11.1	85

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91	Characterization of the uterine phenotype during the peri-implantation period for LIF-null, MF1 strain mice. <i>Developmental Biology</i> , 2005, 281, 1-21.	2.0	84
92	The Liberation of Embryonic Stem Cells. <i>PLoS Genetics</i> , 2011, 7, e1002019.	3.5	84
93	The Cell-Surface Marker Sushi Containing Domain 2 Facilitates Establishment of Human Naive Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2019, 12, 1212-1222.	4.8	83
94	Capacitation of human naïve pluripotent stem cells for multi-lineage differentiation. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	83
95	Derivation of Germline Competent Embryonic Stem Cells with a Combination of Interleukin-6 and Soluble Interleukin-6 Receptor. <i>Experimental Cell Research</i> , 1994, 215, 237-239.	2.6	81
96	Differentiation of Human Induced Pluripotent Stem Cells into Brown and White Adipocytes: Role of Pax3. <i>Stem Cells</i> , 2014, 32, 1459-1467.	3.2	77
97	Defined conditions for propagation and manipulation of mouse embryonic stem cells. <i>Development (Cambridge)</i> , 2019, 146, .	2.5	77
98	Stem Cells Expanded from the Human Embryonic Hindbrain Stably Retain Regional Specification and High Neurogenic Potency. <i>Journal of Neuroscience</i> , 2013, 33, 12407-12422.	3.6	74
99	NODAL Secures Pluripotency upon Embryonic Stem Cell Progression from the Ground State. <i>Stem Cell Reports</i> , 2017, 9, 77-91.	4.8	74
100	A Genome-Wide RNAi Screen Reveals MAP Kinase Phosphatases as Key ERK Pathway Regulators during Embryonic Stem Cell Differentiation. <i>PLoS Genetics</i> , 2012, 8, e1003112.	3.5	72
101	Pluripotency Deconstructed. <i>Development Growth and Differentiation</i> , 2018, 60, 44-52.	1.5	72
102	Germline potential of parthenogenetic haploid mouse embryonic stem cells. <i>Development (Cambridge)</i> , 2012, 139, 3301-3305.	2.5	70
103	Isolation and propagation of enteric neural crest progenitor cells from mouse embryonic stem cells and embryos. <i>Development (Cambridge)</i> , 2010, 137, 693-704.	2.5	68
104	Interplay of cell-cell contacts and RhoA/ MRTF signaling regulates cardiomyocyte identity. <i>EMBO Journal</i> , 2018, 37, .	7.8	66
105	Identification of Genes Regulated by Leukemia-Inhibitory Factor in the Mouse Uterus at the Time of Implantation. <i>Molecular Endocrinology</i> , 2004, 18, 2185-2195.	3.7	63
106	Rebuilding Pluripotency from Primordial Germ Cells. <i>Stem Cell Reports</i> , 2013, 1, 66-78.	4.8	63
107	Robust Self-Renewal of Rat Embryonic Stem Cells Requires Fine-Tuning of Glycogen Synthase Kinase-3 Inhibition. <i>Stem Cell Reports</i> , 2013, 1, 209-217.	4.8	61
108	A PiggyBac-Based Recessive Screening Method to Identify Pluripotency Regulators. <i>PLoS ONE</i> , 2011, 6, e18189.	2.5	61

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109	Wnt Inhibition Facilitates RNA-Mediated Reprogramming of Human Somatic Cells to Naive Pluripotency. <i>Stem Cell Reports</i> , 2019, 13, 1083-1098.	4.8	60
110	Interplay between FGF2 and BMP controls the self-renewal, dormancy and differentiation of rat neural stem cells. <i>Journal of Cell Science</i> , 2011, 124, 1867-1877.	2.0	59
111	Sox2 and Pax6 maintain the proliferative and developmental potential of gliogenic neural stem cells <i>in vitro</i> . <i>Glia</i> , 2011, 59, 1588-1599.	4.9	57
112	Fibroblast growth factor induces a neural stem cell phenotype in foetal forebrain progenitors and during embryonic stem cell differentiation. <i>Molecular and Cellular Neurosciences</i> , 2008, 38, 393-403.	2.2	56
113	Engineering Genetic Predisposition in Human Neuroepithelial Stem Cells Recapitulates Medulloblastoma Tumorigenesis. <i>Cell Stem Cell</i> , 2019, 25, 433-446.e7.	11.1	56
114	The mammalian germline as a pluripotency cycle. <i>Development (Cambridge)</i> , 2013, 140, 2495-2501.	2.5	55
115	A High-Content Small Molecule Screen Identifies Sensitivity of Glioblastoma Stem Cells to Inhibition of Polo-Like Kinase 1. <i>PLoS ONE</i> , 2013, 8, e77053.	2.5	53
116	Cell therapy: In search of pluripotency. <i>Current Biology</i> , 1998, 8, R802-R804.	3.9	48
117	Maintenance of pluripotential embryonic stem cells by stem cell selection. <i>Reproduction, Fertility and Development</i> , 1998, 10, 527.	0.4	48
118	Esrrb Complementation Rescues Development of Nanog-Null Germ Cells. <i>Cell Reports</i> , 2018, 22, 332-339.	6.4	45
119	A method to identify and analyze biological programs through automated reasoning. <i>Npj Systems Biology and Applications</i> , 2016, 2, .	3.0	42
120	The Art of Capturing Pluripotency: Creating the Right Culture. <i>Stem Cell Reports</i> , 2017, 8, 1457-1464.	4.8	39
121	Induction of superficial cortical layer neurons from mouse embryonic stem cells by valproic acid. <i>Neuroscience Research</i> , 2012, 72, 23-31.	1.9	38
122	Automated Large-Scale Culture and Medium-Throughput Chemical Screen for Modulators of Proliferation and Viability of Human Induced Pluripotent Stem Cell-Derived Neuroepithelial-like Stem Cells. <i>Journal of Biomolecular Screening</i> , 2013, 18, 258-268.	2.6	38
123	Unequal segregation of parental chromosomes in embryonic stem cell hybrids. <i>Molecular Reproduction and Development</i> , 2005, 71, 305-314.	2.0	37
124	Nanog Heterogeneity: Tilting at Windmills?. <i>Cell Stem Cell</i> , 2013, 13, 6-7.	11.1	37
125	Convergence of cMyc and β -catenin on Tcf7l1 enables endoderm specification. <i>EMBO Journal</i> , 2016, 35, 356-368.	7.8	35
126	A lncRNA fine tunes the dynamics of a cell state transition involving Lin28, let-7 and de novo DNA methylation. <i>ELife</i> , 2017, 6, .	6.0	35

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127	Long-Term Perfusion Culture of Monoclonal Embryonic Stem Cells in 3D Hydrogel Beads for Continuous Optical Analysis of Differentiation. <i>Small</i> , 2019, 15, e1804576.	10.0	35
128	Pluripotent stem cells related to embryonic disc exhibit common self-renewal requirements in diverse livestock species. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	35
129	Towards consistent generation of pancreatic lineage progenitors from human pluripotent stem cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015, 370, 20140365.	4.0	34
130	A common molecular logic determines embryonic stem cell self-renewal and reprogramming. <i>EMBO Journal</i> , 2019, 38, .	7.8	34
131	A Model-Based Analysis of Culture-Dependent Phenotypes of mESCs. <i>PLoS ONE</i> , 2014, 9, e92496.	2.5	32
132	Cooperative genetic networks drive embryonic stem cell transition from naïve to formative pluripotency. <i>EMBO Journal</i> , 2021, 40, e105776.	7.8	31
133	The Battlefield of Pluripotency. <i>Cell</i> , 2005, 123, 757-760.	28.9	28
134	Exploitation of adherent neural stem cells in basic and applied neurobiology. <i>Regenerative Medicine</i> , 2006, 1, 111-118.	1.7	28
135	Imaging-based chemical screens using normal and glioma-derived neural stem cells. <i>Biochemical Society Transactions</i> , 2010, 38, 1067-1071.	3.4	28
136	Negative feedback via RSK modulates Erk-dependent progression from naïve pluripotency. <i>EMBO Reports</i> , 2018, 19, .	4.5	28
137	Neural Stem Cells Engrafted in the Adult Brain Fuse with Endogenous Neurons. <i>Stem Cells and Development</i> , 2013, 22, 538-547.	2.1	22
138	Self-organizing circuitry and emergent computation in mouse embryonic stem cells. <i>Stem Cell Research</i> , 2012, 8, 324-333.	0.7	21
139	Rat and mouse epiblasts differ in their capacity to generate extraembryonic endoderm. <i>Reproduction, Fertility and Development</i> , 1998, 10, 517.	0.4	20
140	Brain Cancer Stem Cells: A Level Playing Field. <i>Cell Stem Cell</i> , 2009, 5, 468-469.	11.1	20
141	Zfp281 orchestrates interconversion of pluripotent states by engaging Ehmt1 and Zic2. <i>EMBO Journal</i> , 2020, 39, e102591.	7.8	20
142	Cell state transitions: definitions and challenges. <i>Development (Cambridge)</i> , 2021, 148, .	2.5	18
143	Microfluidic platform for 3D cell culture with live imaging and clone retrieval. <i>Lab on A Chip</i> , 2020, 20, 2580-2591.	6.0	17
144	NMD is required for timely cell fate transitions by fine-tuning gene expression and regulating translation. <i>Genes and Development</i> , 2022, 36, 348-367.	5.9	17

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145	Cancer-Related Mutations Are Not Enriched in Naive Human Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2021, 28, 164-169.e2.	11.1	14
146	Disabling de novo DNA methylation in embryonic stem cells allows an illegitimate fate trajectory. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	14
147	Looking inwards: opening a window onto human development. <i>Development (Cambridge)</i> , 2015, 142, 1-2.	2.5	13
148	An unpaired mouse centromere passes consistently through male meiosis and does not significantly compromise spermatogenesis. <i>Chromosoma</i> , 2003, 112, 183-189.	2.2	11
149	'No' to ban on stem-cell patents. <i>Nature</i> , 2011, 472, 418-418.	27.8	11
150	Design principles of pluripotency. <i>EMBO Molecular Medicine</i> , 2009, 1, 251-254.	6.9	10
151	Pluripotent stem cells: private obsession and public expectation. <i>EMBO Molecular Medicine</i> , 2010, 2, 113-116.	6.9	10
152	Gene Editing in Rat Embryonic Stem Cells to Produce InÂVitro Models and InÂVivo Reporters. <i>Stem Cell Reports</i> , 2017, 9, 1262-1274.	4.8	10
153	Introduction: Mammalian stem cell systems. <i>Seminars in Cell Biology</i> , 1992, 3, 383-384.	3.4	9
154	A conceptual and computational framework for modelling and understanding the non-equilibrium gene regulatory networks of mouse embryonic stem cells. <i>PLoS Computational Biology</i> , 2017, 13, e1005713.	3.2	7
155	GMP-grade neural progenitor derivation and differentiation from clinical-grade human embryonic stem cells. <i>Stem Cell Research and Therapy</i> , 2020, 11, 406.	5.5	7
156	Differentiation and gene regulation Programming, reprogramming and regeneration. <i>Current Opinion in Genetics and Development</i> , 2003, 13, 445-447.	3.3	6
157	In Vitro Recapitulation of Developmental Transitions in Human Neural Stem Cells. <i>Stem Cells</i> , 2019, 37, 1429-1440.	3.2	6
158	Potency unchained. <i>Nature</i> , 2014, 505, 622-623.	27.8	4
159	LIF-dependent survival of embryonic stem cells is regulated by a novel palmitoylated Gab1 signalling protein. <i>Journal of Cell Science</i> , 2018, 131, .	2.0	4
160	Stem cells and regeneration: a special issue. <i>Development (Cambridge)</i> , 2013, 140, 2445-2445.	2.5	3
161	Interplay between FGF2 and BMP controls the self-renewal, dormancy and differentiation of rat neural stem cells. <i>Development (Cambridge)</i> , 2011, 138, e1-e1.	2.5	1