Hans R SchÃ¶ler

List of Publications by Year
in descending order

310 papers	35,454 citations	4641 85 h-index	3714 179 g-index
335 all docs	335 docs citations	335 times ranked	28651 citing authors

#	Article	IF	Citations
1	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
2	Generation of Induced Pluripotent Stem Cells Using Recombinant Proteins. Cell Stem Cell, 2009, 4, 381-384.	5.2	1,652
3	Derivation of Oocytes from Mouse Embryonic Stem Cells. Science, 2003, 300, 1251-1256.	6.0	1,015
4	Pluripotent stem cells induced from adult neural stem cells by reprogramming with two factors. Nature, 2008, 454, 646-650.	13.7	890
5	Oct4-Induced Pluripotency in Adult Neural Stem Cells. Cell, 2009, 136, 411-419.	13.5	858
6	Induction of Pluripotent Stem Cells from Mouse Embryonic Fibroblasts by Oct4 and Klf4 with Small-Molecule Compounds. Cell Stem Cell, 2008, 3, 568-574.	5.2	837
7	Oct-4: Gatekeeper in the Beginnings of Mammalian Development. Stem Cells, 2001, 19, 271-278.	1.4	719
8	New type of POU domain in germ line-specific protein Oct-4. Nature, 1990, 344, 435-439.	13.7	718
9	A Combined Chemical and Genetic Approach for the Generation of Induced Pluripotent Stem Cells. Cell Stem Cell, 2008, 2, 525-528.	5.2	664
10	Direct reprogramming of human neural stem cells by OCT4. Nature, 2009, 461, 649-653.	13.7	652
11	Regulatory networks in embryo-derived pluripotent stem cells. Nature Reviews Molecular Cell Biology, 2005, 6, 872-881.	16.1	610
12	Oct-4 Transcription Factor Is Differentially Expressed in the Mouse Embryo during Establishment of the First Two Extraembryonic Cell Lineages Involved in Implantation. Developmental Biology, 1994, 166, 259-267.	0.9	560
13	Oct4 is required for primordial germ cell survival. EMBO Reports, 2004, 5, 1078-1083.	2.0	513
14	Direct Reprogramming of Fibroblasts into Neural Stem Cells by Defined Factors. Cell Stem Cell, 2012, 10, 465-472.	5.2	511
15	Oct4 distribution and level in mouse clones: consequences for pluripotency. Genes and Development, 2002, 16, 1209-1219.	2.7	476
16	Differential expression of the Oct-4 transcription factor during mouse germ cell differentiation. Mechanisms of Development, 1998, 71, 89-98.	1.7	455
17	Generation of Induced Pluripotent Stem Cells from Human Cord Blood. Cell Stem Cell, 2009, 5, 434-441.	5.2	450
18	Genetic Correction of a LRRK2 Mutation in Human iPSCs Links Parkinsonian Neurodegeneration to ERK-Dependent Changes in Gene Expression. Cell Stem Cell, 2013, 12, 354-367.	5.2	448

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19	Sperm from neonatal mammalian testes grafted in mice. Nature, 2002, 418, 778-781.	13.7	427
20	Specific interaction between enhancer-containing molecules and cellular components. Cell, 1984, 36, 403-411.	13.5	418
21	Oct4 Expression Is Not Required for Mouse Somatic Stem Cell Self-Renewal. Cell Stem Cell, 2007, 1, 403-415.	5.2	376
22	Derivation and Expansion Using Only Small Molecules of Human Neural Progenitors for Neurodegenerative Disease Modeling. PLoS ONE, 2013, 8, e59252.	1.1	370
23	Germline-specific expression of the Oct-4/green fluorescent protein (GFP) transgene in mice. Development Growth and Differentiation, 1999, 41, 675-684.	0.6	369
24	Chromatin-Remodeling Components of the BAF Complex Facilitate Reprogramming. Cell, 2010, 141, 943-955.	13.5	357
25	Octamania: The POU factors in murine development. Trends in Genetics, 1991, 7, 323-329.	2.9	337
26	Crystal structure of a POU/HMG/DNA ternary complex suggests differential assembly of Oct4 and Sox2 on two enhancers. Genes and Development, 2003, 17, 2048-2059.	2.7	333
27	Conserved and Divergent Roles of FGF Signaling in Mouse Epiblast Stem Cells and Human Embryonic Stem Cells. Cell Stem Cell, 2010, 6, 215-226.	5.2	308
28	Allele-specific expression of imprinted genes in mouse migratory primordial germ cells. Mechanisms of Development, 2002, 115, 157-160.	1.7	305
29	A mouse model for hereditary thyroid dysgenesis and cleft palate. Nature Genetics, 1998, 19, 395-398.	9.4	302
30	Stem cell pluripotency and transcription factor Oct4. Cell Research, 2002, 12, 321-329.	5.7	298
31	Generation of Human-Induced Pluripotent Stem Cells in the Absence of Exogenous <i>Sox2</i>. Stem Cells, 2009, 27, 2992-3000.	1.4	297
32	Self-renewal of embryonic stem cells by a small molecule. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 17266-17271.	3.3	296
33	The onset of germ cell migration in the mouse embryo. Mechanisms of Development, 2000, 91, 61-68.	1.7	279
34	Stable Isotope Labeling by Amino Acids in Cell Culture (SILAC) and Proteome Quantitation of Mouse Embryonic Stem Cells to a Depth of 5,111 Proteins. Molecular and Cellular Proteomics, 2008, 7, 672-683.	2.5	261
35	Nuclei of Embryonic Stem Cells Reprogram Somatic Cells. Stem Cells, 2004, 22, 941-949.	1.4	254
36	Induction of Pluripotency in Adult Unipotent Germline Stem Cells. Cell Stem Cell, 2009, 5, 87-96.	5.2	246

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37	Progeny from Sperm Obtained after Ectopic Grafting of Neonatal Mouse Testes1. Biology of Reproduction, 2003, 68, 2331-2335.	1.2	237
38	Oct-4: Control of totipotency and germline determination. Molecular Reproduction and Development, 2000, 55, 452-457.	1.0	232
39	Investigating human disease using stem cell models. Nature Reviews Genetics, 2014, 15, 625-639.	7.7	225
40	Identification and characterization of stem cells in prepubertal spermatogenesis in miceâ˜†â˜†Supplementary data associated with this article can be found at doi:10.1016/S0012-1606(03)00111-8.. Developmental Biology, 2003, 258, 209-225.	0.9	224
41	Lentiviral Vector Design and Imaging Approaches to Visualize the Early Stages of Cellular Reprogramming. Molecular Therapy, 2011, 19, 782-789.	3.7	224
42	Mouse Germline Restriction of Oct4 Expression by Germ Cell Nuclear Factor. Developmental Cell, 2001, 1, 377-387.	3.1	223
43	Targeted Mutation Reveals Essential Functions of the Homeodomain Transcription Factor Shox2 in Sinoatrial and Pacemaking Development. Circulation, 2007, 115, 1830-1838.	1.6	222
44	Dynamic link of DNA demethylation, DNA strand breaks and repair in mouse zygotes. EMBO Journal, 2010, 29, 1877-1888.	3.5	221
45	Combinatorial control of gene expression. Nature Structural and Molecular Biology, 2004, 11, 812-815.	3.6	217
46	In line with our ancestors: Oct-4 and the mammalian germ. BioEssays, 1998, 20, 722-732.	1.2	212
47	A nexus between Oct-4 and E1 A: Implications for gene regulation in embryonic stem cells. Cell, 1991, 66, 291-304.	13.5	197
48	Epiblast Stem Cell Subpopulations Represent Mouse Embryos of Distinct Pregastrulation Stages. Cell, 2010, 143, 617-627.	13.5	195
49	Rapid and efficient generation of oligodendrocytes from human induced pluripotent stem cells using transcription factors. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E2243-E2252.	3.3	189
50	Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes InÂVivo Attenuates Liver Fibrosis. Cell Stem Cell, 2016, 18, 797-808.	5.2	181
51	Comparative analysis of human, bovine, and murine Oct-4 upstream promoter sequences. Mammalian Genome, 2001, 12, 309-317.	1.0	158
52	Modulation of the Activity of Multiple Transcriptional Activation Domains by the DNA Binding Domains Mediates the Synergistic Action of Sox2 and Oct-3 on the Fibroblast Growth Factor-4Enhancer. Journal of Biological Chemistry, 2000, 275, 23387-23397.	1.6	155
53	Sumoylation of Oct4 Enhances Its Stability, DNA Binding, and Transactivation. Journal of Biological Chemistry, 2007, 282, 21551-21560.	1.6	154
54	Identification of a specific reprogramming-associated epigenetic signature in human induced pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16196-16201.	3.3	152

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55	Pluripotency deficit in clones overcome by clone-clone aggregation: epigenetic complementation?. EMBO Journal, 2003, 22, 5304-5312.	3.5	150
56	The embryonic stem cell transcription factors Oct-4 and FoxD3 interact to regulate endodermal-specific promoter expression. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 3663-3667.	3.3	146
57	Role of Oct4 in the early embryo development. Cell Regeneration, 2014, 3, 3:7.	1.1	144
58	Conserved POU Binding DNA Sites in the Sox2 Upstream Enhancer Regulate Gene Expression in Embryonic and Neural Stem Cells. Journal of Biological Chemistry, 2004, 279, 41846-41857.	1.6	137
59	A unique Oct4 interface is crucial for reprogramming to pluripotency. Nature Cell Biology, 2013, 15, 295-301.	4.6	135
60	Reversible reprogramming of cardiomyocytes to a fetal state drives heart regeneration in mice. Science, 2021, 373, 1537-1540.	6.0	135
61	Synergism with the Coactivator OBF-1 (OCA-B, BOB-1) Is Mediated by a Specific POU Dimer Configuration. Cell, 2000, 103, 853-864.	13.5	134
62	CD49f Enhances Multipotency and Maintains Stemness Through the Direct Regulation of OCT4 and SOX2. Stem Cells, 2012, 30, 876-887.	1.4	129
63	Nanog. Cell, 2003, 113, 551-552.	13.5	127
64	FGF signalling inhibits neural induction in human embryonic stem cells. EMBO Journal, 2011, 30, 4874-4884.	3.5	123
65	OCT4: Dynamic DNA binding pioneers stem cell pluripotency. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2014, 1839, 138-154.	0.9	123
66	Human primordial germ cell commitment <i>inÂvitro</i> associates with a unique PRDM14 expression profile. EMBO Journal, 2015, 34, 1009-1024.	3.5	122
67	Human iPSC models of neuronal ceroid lipofuscinosis capture distinct effects of TPP1 and CLN3 mutations on the endocytic pathway. Human Molecular Genetics, 2014, 23, 2005-2022.	1.4	121
68	Reprogramming fibroblasts into induced pluripotent stem cells with Bmi1. Cell Research, 2011, 21, 1305-1315.	5.7	118
69	A fully automated high-throughput workflow for 3D-based chemical screening in human midbrain organoids. ELife, 2020, 9, .	2.8	117
70	Molecular Obstacles to Clinical Translation of iPSCs. Cell Stem Cell, 2016, 19, 298-309.	5.2	116
71	Differential Dimer Activities of the Transcription Factor Oct-1 by DNA-Induced Interface Swapping. Molecular Cell, 2001, 8, 569-580.	4.5	114
72	Genome-wide tracking of dCas9-methyltransferase footprints. Nature Communications, 2018, 9, 597.	5.8	114

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73	Initiation of trophectoderm lineage specification in mouse embryos is independent of Cdx2. Development (Cambridge), 2010, 137, 4159-4169.	1.2	113
74	Absence of OCT4 Expression in Somatic Tumor Cell Lines. Stem Cells, 2008, 26, 692-697.	1.4	112
75	Post-Translational Regulation of Oct4 Transcriptional Activity. PLoS ONE, 2009, 4, e4467.	1.1	112
76	Direct reprogramming of fibroblasts into epiblast stem cells. Nature Cell Biology, 2011, 13, 66-71.	4.6	111
77	Topographic effect on human induced pluripotent stem cells differentiation towards neuronal lineage. Biomaterials, 2013, 34, 8131-8139.	5.7	108
78	Conversion of Mouse Epiblast Stem Cells to an Earlier Pluripotency State by Small Molecules. Journal of Biological Chemistry, 2010, 285, 29676-29680.	1.6	107
79	Isolation of Novel Multipotent Neural Crest-Derived Stem Cells from Adult Human Inferior Turbinate. Stem Cells and Development, 2012, 21, 742-756.	1.1	106
80	ETHICS: The ISSCR Guidelines for Human Embryonic Stem Cell Research. Science, 2007, 315, 603-604.	6.0	104
81	Establishment of totipotency does not depend onÂOct4A. Nature Cell Biology, 2013, 15, 1089-1097.	4.6	99
82	Distinct Developmental Ground States of Epiblast Stem Cell Lines Determine Different Pluripotency Features. Stem Cells, 2011, 29, 1496-1503.	1.4	98
83	Concise Review: Oct4 and More: The Reprogramming Expressway. Stem Cells, 2012, 30, 15-21.	1.4	98
84	Parthenogenetic stem cells for tissue-engineered heart repair. Journal of Clinical Investigation, 2013, 123, 1285-1298.	3.9	96
85	Direct visualization of cell division using high-resolution imaging of M-phase of the cell cycle. Nature Communications, 2012, 3, 1076.	5.8	92
86	Excluding Oct4 from Yamanaka Cocktail Unleashes the Developmental Potential of iPSCs. Cell Stem Cell, 2019, 25, 737-753.e4.	5.2	92
87	Oct-4: Lessons of Totipotency from Embryonic Stem Cells. Cells Tissues Organs, 1999, 165, 144-152.	1.3	89
88	Stepwise Clearance of Repressive Roadblocks Drives Cardiac Induction in Human ESCs. Cell Stem Cell, 2016, 18, 341-353.	5.2	89
89	Regulation of theOct-4gene by nuclear receptors. Nucleic Acids Research, 1994, 22, 901-911.	6.5	87
90	Human adult germline stem cells in question. Nature, 2010, 465, E1-E1.	13.7	82

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91	Distinct Neurodegenerative Changes in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia Linked to Mutant TAU Protein. Stem Cell Reports, 2015, 5, 83-96.	2.3	82
92	DNA methylation regulates discrimination of enhancers from promoters through a H3K4me1-H3K4me3 seesaw mechanism. BMC Genomics, 2017, 18, 964.	1.2	80
93	Systematic Analysis of Gene Expression Differences between Left and Right Atria in Different Mouse Strains and in Human Atrial Tissue. PLoS ONE, 2011, 6, e26389.	1.1	80
94	Pluripotential Reprogramming of the Somatic Genome in Hybrid Cells Occurs with the First Cell Cycle. Stem Cells, 2008, 26, 445-454.	1.4	79
95	Generation of induced pluripotent stem cells from neural stem cells. Nature Protocols, 2009, 4, 1464-1470.	5.5	79
96	Esrrb Unlocks Silenced Enhancers for Reprogramming to Naive Pluripotency. Cell Stem Cell, 2018, 23, 266-275.e6.	5.2	79
97	Sonic Hedgehog Shedding Results in Functional Activation of the Solubilized Protein. Developmental Cell, 2011, 20, 764-774.	3.1	78
98	TheCaudal-Related Protein Cdx2 Promotes Trophoblast Differentiation of Mouse Embryonic Stem Cells. Stem Cells, 2006, 24, 139-144.	1.4	77
99	FACS-Assisted CRISPR-Cas9 Genome Editing Facilitates Parkinson's Disease Modeling. Stem Cell Reports, 2017, 9, 1423-1431.	2.3	77
100	Variable Reprogramming of the Pluripotent Stem Cell Marker Oct4 in Mouse Clones: Distinct Developmental Potentials in Different Culture Environments. Stem Cells, 2005, 23, 1089-1104.	1.4	76
101	Universal Cardiac Induction of Human Pluripotent Stem Cells in Two and Three-Dimensional Formats: Implications for In Vitro Maturation. Stem Cells, 2015, 33, 1456-1469.	1.4	76
102	Astrocyte pathology in a human neural stem cell model of frontotemporal dementia caused by mutant TAU protein. Scientific Reports, 2017, 7, 42991.	1.6	76
103	Small Molecule-Assisted, Line-Independent Maintenance of Human Pluripotent Stem Cells in Defined Conditions. PLoS ONE, 2012, 7, e41958.	1.1	76
104	Discovery of Inhibitors of Microglial Neurotoxicity Acting Through Multiple Mechanisms Using a Stem-Cell-Based Phenotypic Assay. Cell Stem Cell, 2012, 11, 620-632.	5.2	75
105	Therapeutic Potential of Induced Neural Stem Cells for Spinal Cord Injury. Journal of Biological Chemistry, 2014, 289, 32512-32525.	1.6	75
106	A central role for TFIID in the pluripotent transcription circuitry. Nature, 2013, 495, 516-519.	13.7	73
107	TBX3 Directs Cell-Fate Decision toward Mesendoderm. Stem Cell Reports, 2013, 1, 248-265.	2.3	72
108	Discovery of Neuritogenic Compound Classes Inspired by Natural Products. Angewandte Chemie - International Edition, 2013, 52, 9576-9581.	7.2	72

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109	ExprEssence - Revealing the essence of differential experimental data in the context of an interaction/regulation net-work. BMC Systems Biology, 2010, 4, 164.	3.0	71
110	p53 connects tumorigenesis and reprogramming to pluripotency. Journal of Experimental Medicine, 2010, 207, 2045-2048.	4.2	71
111	A combined approach facilitates the reliable detection of human spermatogonia in vitro. Human Reproduction, 2013, 28, 3012-3025.	0.4	71
112	Transcriptional regulation of endothelial cell behavior during sprouting angiogenesis. Nature Communications, 2017, 8, 726.	5.8	71
113	Redox Regulation of the Embryonic Stem Cell Transcription Factor Oct-4 by Thioredoxin. Stem Cells, 2004, 22, 259-264.	1.4	70
114	Effects of Neural Progenitor Cells on Sensorimotor Recovery and Endogenous Repair Mechanisms After Photothrombotic Stroke. Stroke, 2011, 42, 1757-1763.	1.0	70
115	MicroRNA-221 regulates FAS-induced fulminant liver failure. Hepatology, 2011, 53, 1651-1661.	3.6	69
116	Direct conversion of mouse fibroblasts into induced neural stem cells. Nature Protocols, 2014, 9, 871-881.	5.5	69
117	Identification of a Nuclear Localization Signal in OCT4 and Generation of a Dominant Negative Mutant by Its Ablation. Journal of Biological Chemistry, 2004, 279, 37013-37020.	1.6	68
118	Erythroid differentiation of human induced pluripotent stem cells is independent of donor cell type of origin. Haematologica, 2015, 100, 32-41.	1.7	67
119	The PluriNetWork: An Electronic Representation of the Network Underlying Pluripotency in Mouse, and Its Applications. PLoS ONE, 2010, 5, e15165.	1.1	67
120	Reprogramming to pluripotency is an ancient trait of vertebrate Oct4 and Pou2 proteins. Nature Communications, 2012, 3, 1279.	5.8	64
121	Smed-SmB, a member of the LSm protein superfamily, is essential for chromatoid body organization and planarian stem cell proliferation. Development (Cambridge), 2010, 137, 1055-1065.	1.2	63
122	Distinct Enhancer Activity of Oct4 in Naive and Primed Mouse Pluripotency. Stem Cell Reports, 2016, 7, 911-926.	2.3	63
123	Regulatory circuits underlying pluripotency and reprogramming. Trends in Pharmacological Sciences, 2009, 30, 296-302.	4.0	61
124	Optimal reprogramming factor stoichiometry increases colony numbers and affects molecular characteristics of murine induced pluripotent stem cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2011, 79A, 426-435.	1.1	61
125	Small Molecules Facilitate Single Factor-Mediated Hepatic Reprogramming. Cell Reports, 2016, 15, 814-829.	2.9	61
126	Differentiation Efficiency of Induced Pluripotent Stem Cells Depends on the Number of Reprogramming Factors. Stem Cells, 2012, 30, 570-579.	1.4	60

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127	Inhibition of TGFÎ² Signaling Promotes Ground State Pluripotency. Stem Cell Reviews and Reports, 2014, 10, 16-30.	5.6	60
128	Nfat/calcineurin signaling promotes oligodendrocyte differentiation and myelination by transcription factor network tuning. Nature Communications, 2018, 9, 899.	5.8	60
129	Pluripotency reprogramming by competent and incompetent POU factors uncovers temporal dependency for Oct4 and Sox2. Nature Communications, 2019, 10, 3477.	5.8	60
130	Phage Display Screening Reveals an Association Between Germline-specific Transcription Factor Oct-4 and Multiple Cellular Proteins. Journal of Molecular Biology, 2000, 304, 529-540.	2.0	59
131	Analysis of protein-coding mutations in hiPSCs and their possible role during somatic cell reprogramming. Nature Communications, 2013, 4, 1382.	5.8	58
132	Dissecting the role of distinct OCT4-SOX2 heterodimer configurations in pluripotency. Scientific Reports, 2015, 5, 13533.	1.6	58
133	iPS cell derived neuronal cells for drug discovery. Trends in Pharmacological Sciences, 2014, 35, 510-519.	4.0	57
134	A Dynamic Role of TBX3 in the Pluripotency Circuitry. Stem Cell Reports, 2015, 5, 1155-1170.	2.3	57
135	GAA Deficiency in Pompe Disease Is Alleviated by Exon Inclusion in iPSC-Derived Skeletal Muscle Cells. Molecular Therapy - Nucleic Acids, 2017, 7, 101-115.	2.3	56
136	Dynarrestin, a Novel Inhibitor of Cytoplasmic Dynein. Cell Chemical Biology, 2018, 25, 357-369.e6.	2.5	56
137	Induction of Pluripotency: From Mouse to Human. Cell, 2007, 131, 834-835.	13.5	55
138	Induction of pluripotency in human cord blood unrestricted somatic stem cells. Experimental Hematology, 2010, 38, 809-818.e2.	0.2	55
139	Murine Embryonic Stem Cell-Derived Hepatic Progenitor Cells Engraft in Recipient Livers with Limited Capacity of Liver Tissue Formation. Cell Transplantation, 2008, 17, 313-323.	1.2	53
140	Extrinsic immune cell-derived, but not intrinsic oligodendroglial factors contribute to oligodendroglial differentiation block in multiple sclerosis. Acta Neuropathologica, 2020, 140, 715-736.	3.9	53
141	Conversion of adult mouse unipotent germline stem cells into pluripotent stem cells. Nature Protocols, 2010, 5, 921-928.	5.5	52
142	Induced Neural Stem Cells Achieve Long-Term Survival and Functional Integration in the Adult Mouse Brain. Stem Cell Reports, 2014, 3, 423-431.	2.3	51
143	Generation of Healthy Mice from Gene-Corrected Disease-Specific Induced Pluripotent Stem Cells. PLoS Biology, 2011, 9, e1001099.	2.6	50
144	Reduction of Fibrosis and Scar Formation by Partial Reprogramming In Vivo. Stem Cells, 2018, 36, 1216-1225.	1.4	50

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145	Oct1 regulates trophoblast development during early mouse embryogenesis. Development (Cambridge), 2010, 137, 3551-3560.	1.2	49
146	Oct4-Enhanced Green Fluorescent Protein Transgenic Pigs: A New Large Animal Model for Reprogramming Studies. Stem Cells and Development, 2011, 20, 1563-1575.	1.1	49
147	Synapse alterations precede neuronal damage and storage pathology in a human cerebral organoid model of CLN3-juvenile neuronal ceroid lipofuscinosis. Acta Neuropathologica Communications, 2019, 7, 222.	2.4	49
148	Nuclear reprogramming by interphase cytoplasm of two-cell mouse embryos. Nature, 2014, 509, 101-104.	13.7	48
149	Signaling Roadmap Modulating Naive and Primed Pluripotency. Stem Cells and Development, 2014, 23, 193-208.	1.1	48
150	Increased Reprogramming Capacity of Mouse Liver Progenitor Cells, Compared With Differentiated Liver Cells, Requires the BAF Complex. Gastroenterology, 2012, 142, 907-917.	0.6	47
151	Highly Enantioselective Catalytic Synthesis of Neurite Growth-Promoting Secoyohimbanes. Chemistry and Biology, 2013, 20, 500-509.	6.2	47
152	Structural Basis for the SOX-Dependent Genomic Redistribution of OCT4 in Stem Cell Differentiation. Structure, 2014, 22, 1274-1286.	1.6	46
153	Identification of genes specific to mouse primordial germ cells through dynamic global gene expression. Human Molecular Genetics, 2011, 20, 115-125.	1.4	45
154	Dual Inhibition of GSK3Î² and CDK5 Protects the Cytoskeleton of Neurons from Neuroinflammatory-Mediated Degeneration InÂVitro and InÂVivo. Stem Cell Reports, 2019, 12, 502-517.	2.3	45
155	SILAC Proteomics of Planarians Identifies Ncoa5 as a Conserved Component of Pluripotent Stem Cells. Cell Reports, 2013, 5, 1142-1155.	2.9	44
156	Reprogramming and the mammalian germline: the Weismann barrier revisited. Current Opinion in Cell Biology, 2012, 24, 716-723.	2.6	43
157	Reprogramming somatic gene activity by fusion with pluripotent cells. Stem Cell Reviews and Reports, 2006, 2, 257-264.	5.6	42
158	Changing <scp>POU</scp> dimerization preferences converts Oct6 into a pluripotency inducer. EMBO Reports, 2017, 18, 319-333.	2.0	42
159	A predictable ligand regulated expression strategy for stably integrated transgenes in mammalian cells in culture. Gene, 2002, 298, 159-172.	1.0	41
160	Neuroinflammatory and behavioural changes in the Atp7B mutant mouse model of Wilsonâ€™s disease. Journal of Neurochemistry, 2011, 118, 105-112.	2.1	41
161	Origin-Dependent Neural Cell Identities in Differentiated Human iPSCs InÂVitro and after Transplantation into the Mouse Brain. Cell Reports, 2014, 8, 1697-1703.	2.9	41
162	Establishment of a primed pluripotent epiblast stem cell in FGF4-based conditions. Scientific Reports, 2014, 4, 7477.	1.6	41

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163	Erasure of Cellular Memory by Fusion with Pluripotent Cells. Stem Cells, 2007, 25, 1013-1020.	1.4	40
164	Generating Oocytes and Sperm from Embryonic Stem Cells. Seminars in Reproductive Medicine, 2005, 23, 222-233.	0.5	39
165	Generation of Induced Pluripotent Stem Cells Using Recombinant Proteins. Cell Stem Cell, 2009, 4, 581.	5.2	39
166	Nucleosomal DNA Dynamics Mediate Oct4 Pioneer Factor Binding. Biophysical Journal, 2020, 118, 2280-2296.	0.2	39
167	Spermatogonia: origin, physiology and prospects for conservation and manipulation of the male germ line. Reproduction, Fertility and Development, 2006, 18, 7.	0.1	37
168	Zfp296 Is a Novel, Pluripotent-Specific Reprogramming Factor. PLoS ONE, 2012, 7, e34645.	1.1	37
169	Single-cell gene expression analysis reveals diversity among human spermatogonia. Molecular Human Reproduction, 2017, 23, 79-90.	1.3	37
170	Sustained Knockdown of a Disease-Causing Gene in Patient-Specific Induced Pluripotent Stem Cells Using Lentiviral Vector-Based Gene Therapy. Stem Cells Translational Medicine, 2013, 2, 641-654.	1.6	36
171	R-loops coordinate with SOX2 in regulating reprogramming to pluripotency. Science Advances, 2020, 6, eaba0777.	4.7	36
172	Epigenetic Hierarchy Governing <i>Nestin</i> Expression. Stem Cells, 2009, 27, 1088-1097.	1.4	35
173	Neural Induction Intermediates Exhibit Distinct Roles of Fgf Signaling. Stem Cells, 2010, 28, 1772-1781.	1.4	35
174	Induced Pluripotent Stem Cells at Nanoscale. Stem Cells and Development, 2010, 19, 615-620.	1.1	35
175	Wnt/Beta-catenin/Esrrb signalling controls the tissue-scale reorganization and maintenance of the pluripotent lineage during murine embryonic diapause. Nature Communications, 2020, 11, 5499.	5.8	35
176	Permissive epigenomes endow reprogramming competence to transcriptional regulators. Nature Chemical Biology, 2021, 17, 47-56.	3.9	35
177	Octâ€4: more than just a POUerful marker of the mammalian germline?. Apmis, 1998, 106, 114-126.	0.9	34
178	Methylation status of putative differentially methylated regions of porcine <i>IGF2</i> and <i>H19</i>. Molecular Reproduction and Development, 2008, 75, 777-784.	1.0	34
179	Concise Review: Challenging the Pluripotency of Human Testis-Derived ESC-like Cells. Stem Cells, 2011, 29, 1165-1169.	1.4	33
180	The POU-er of gene nomenclature. Development (Cambridge), 2014, 141, 2921-2923.	1.2	33

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