Hans R Schler

List of Publications by Year in Descending Order

306 papers	29,847 citations	82 h-index	168 g-index
335 ext. papers	32,941 ext. citations	11.2 avg, IF	6.83 L-index

#	Paper	IF	Citations
306	A balanced Oct4 interactome is crucial for maintaining pluripotency.. *Science Advances*, **2022**, 8, eabe4375	14.3	0
305	Generation of a human iPSC line (MPIi008-A) from a patient with Denys-Drash syndrome. *Stem Cell Research*, **2022**, 62, 102826	1.6	
304	Heading towards a dead end: The role of DND1 in germ line differentiation of human iPSCs. *PLoS ONE*, **2021**, 16, e0258427	3.7	0
303	Directed Evolution of an Enhanced POU Reprogramming Factor for Cell Fate Engineering. *Molecular Biology and Evolution*, **2021**, 38, 2854-2868	8.3	1
302	Donor cell memory confers a metastable state of directly converted cells. *Cell Stem Cell*, **2021**, 28, 1291-1306.e10		
301	One-step Reprogramming of Human Fibroblasts into Oligodendrocyte-like Cells by SOX10, OLIG2, and NKX6.2. *Stem Cell Reports*, **2021**, 16, 771-783	8	4
300	Biological importance of OCT transcription factors in reprogramming and development. *Experimental and Molecular Medicine*, **2021**, 53, 1018-1028	12.8	1
299	Residual pluripotency is required for inductive germ cell segregation. *EMBO Reports*, **2021**, 22, e52553	6.5	3
298	Rapid generation of ACE2 humanized inbred mouse model for COVID-19 with tetraploid complementation. *National Science Review*, **2021**, 8, nwaa285	10.8	8
297	Permissive epigenomes endow reprogramming competence to transcriptional regulators. *Nature Chemical Biology*, **2021**, 17, 47-56	11.7	15
296	Generation and Maintenance of Homogeneous Human Midbrain Organoids. *Bio-protocol*, **2021**, 11, e4049	0.9	2
295	The Hippo pathway component Wwc2 is a key regulator of embryonic development and angiogenesis in mice. *Cell Death and Disease*, **2021**, 12, 117	9.8	2
294	Cell-Type-Specific High Throughput Toxicity Testing in Human Midbrain Organoids. *Frontiers in Molecular Neuroscience*, **2021**, 14, 715054	6.1	5
293	Dopamine signaling regulates hematopoietic stem and progenitor cell function. *Blood*, **2021**, 138, 2051-2065	20.5	4
292	Reversible reprogramming of cardiomyocytes to a fetal state drives heart regeneration in mice. *Science*, **2021**, 373, 1537-1540	33.3	24
291	Ronin governs the metabolic capacity of the embryonic lineage for post-implantation development. *EMBO Reports*, **2021**, 22, e53048	6.5	1
290	YAP establishes epiblast responsiveness to inductive signals for germ cell fate. *Development (Cambridge)*, **2021**, 148,	6.6	1

289	Generation of a human iPSC line (MPIi007-A) from a patient with Metachromatic leukodystrophy. *Stem Cell Research*, **2020**, 48, 101993	1.6	1
288	R-loops coordinate with SOX2 in regulating reprogramming to pluripotency. *Science Advances*, **2020**, 6, eaba0777	14.3	11
287	Nucleosomal DNA Dynamics Mediate Oct4 Pioneer Factor Binding. *Biophysical Journal*, **2020**, 118, 2280-2296	4.9	16
286	Generation of human androgenetic induced pluripotent stem cells. *Scientific Reports*, **2020**, 10, 3614	4.9	
285	Sequentially induced motor neurons from human fibroblasts facilitate locomotor recovery in a rodent spinal cord injury model. *ELife*, **2020**, 9,	8.9	9
284	A fully automated high-throughput workflow for 3D-based chemical screening in human midbrain organoids. *ELife*, **2020**, 9,	8.9	46
283	Author response: A fully automated high-throughput workflow for 3D-based chemical screening in human midbrain organoids **2020**,		3
282	Generation of a human iPSC line (MPIi006-A) from a patient with Pelizaeus-Merzbacher disease. *Stem Cell Research*, **2020**, 46, 101839	1.6	1
281	Heterochromatin loosening by the Oct4 linker region facilitates Klf4 binding and iPSC reprogramming. *EMBO Journal*, **2020**, 39, e99165	13	11
280	Multiple sclerosis iPS-derived oligodendroglia conserve their properties to functionally interact with axons and glia in vivo. *Science Advances*, **2020**, 6,	14.3	10
279	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	17.4	13
278	Reprogramming competence of OCT factors is determined by transactivation domains. *Science Advances*, **2020**, 6,	14.3	7
277	Extrinsic immune cell-derived, but not intrinsic oligodendroglial factors contribute to oligodendroglial differentiation block in multiple sclerosis. *Acta Neuropathologica*, **2020**, 140, 715-736	14.3	20
276	Discovery of the Hedgehog Pathway Inhibitor Pipinib that Targets PI4KIII*Angewandte Chemie - International Edition*, **2019**, 58, 16617-16628	16.4	5
275	Discovery of the Hedgehog Pathway Inhibitor Pipinib that Targets PI4KIII*Angewandte Chemie*, **2019**, 131, 16770-16781	3.6	1
274	Metastable Reprogramming State of Single Transcription Factor-Derived Induced Hepatocyte-Like Cells. *Stem Cells International*, **2019**, 2019, 6937257	5	1
273	hnRNP-K Targets Open Chromatin in Mouse Embryonic Stem Cells in Concert with Multiple Regulators. *Stem Cells*, **2019**, 37, 1018-1029	5.8	5
272	Fusion of Reprogramming Factors Alters the Trajectory of Somatic Lineage Conversion. *Cell Reports*, **2019**, 27, 30-39.e4	10.6	10

271	Dual Inhibition of GSK3β and CDK5 Protects the Cytoskeleton of Neurons from Neuroinflammatory-Mediated Degeneration In Vitro and In Vivo. *Stem Cell Reports*, **2019**, 12, 502-517	8	23
270	Oct4 and Hnf4α induced hepatic stem cells ameliorate chronic liver injury in liver fibrosis model. *PLoS ONE*, **2019**, 14, e0221085	3.7	6
269	Pluripotency reprogramming by competent and incompetent POU factors uncovers temporal dependency for Oct4 and Sox2. *Nature Communications*, **2019**, 10, 3477	17.4	33
268	The Convergence of Stem Cell Technologies and Phenotypic Drug Discovery. *Cell Chemical Biology*, **2019**, 26, 1050-1066	8.2	24
267	Excluding Oct4 from Yamanaka Cocktail Unleashes the Developmental Potential of iPSCs. *Cell Stem Cell*, **2019**, 25, 737-753.e4	18	47
266	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	7.3	18
265	Nfat/calcineurin signaling promotes oligodendrocyte differentiation and myelination by transcription factor network tuning. *Nature Communications*, **2018**, 9, 899	17.4	39
264	Dynarrestin, a Novel Inhibitor of Cytoplasmic Dynein. *Cell Chemical Biology*, **2018**, 25, 357-369.e6	8.2	26
263	Rules governing the mechanism of epigenetic reprogramming memory. *Epigenomics*, **2018**, 10, 149-174	4.4	8
262	Genome-wide tracking of dCas9-methyltransferase footprints. *Nature Communications*, **2018**, 9, 597	17.4	85
261	Direct Conversion of Mouse Fibroblasts into Cholangiocyte Progenitor Cells. *Stem Cell Reports*, **2018**, 10, 1522-1536	8	5
260	Inhibition of BET selectively eliminates undifferentiated pluripotent stem cells. *Science Bulletin*, **2018**, 63, 477-487	10.6	4
259	Two-Step Generation of Oligodendrocyte Progenitor Cells From Mouse Fibroblasts for Spinal Cord Injury. *Frontiers in Cellular Neuroscience*, **2018**, 12, 198	6.1	4
258	Esrrb Unlocks Silenced Enhancers for Reprogramming to Naive Pluripotency. *Cell Stem Cell*, **2018**, 23, 266-275.e6	18	35
257	Self-Reprogramming of Spermatogonial Stem Cells into Pluripotent Stem Cells without Microenvironment of Feeder Cells. *Molecules and Cells*, **2018**, 41, 631-638	3.5	5
256	GAA deficiency in Pompe disease is alleviated by exon inclusion in iPS cell-derived skeletal muscle cells. *Proceedings for Annual Meeting of the Japanese Pharmacological Society*, **2018**, WCP2018, SY30-2	0	
255	Reduction of Fibrosis and Scar Formation by Partial Reprogramming In Vivo. *Stem Cells*, **2018**, 36, 1216-1225	5.8	24
254	Single-cell gene expression analysis reveals diversity among human spermatogonia. *Molecular Human Reproduction*, **2017**, 23, 79-90	4.4	33

253	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	11.5	128
252	Astrocyte pathology in a human neural stem cell model of frontotemporal dementia caused by mutant TAU protein. *Scientific Reports*, **2017**, 7, 42991	4.9	51
251	Totipotency in the mouse. *Journal of Molecular Medicine*, **2017**, 95, 687-694	5.5	11
250	Small-molecule phenotypic screening with stem cells. *Nature Chemical Biology*, **2017**, 13, 560-563	11.7	10
249	GAA Deficiency in Pompe Disease Is Alleviated by Exon Inclusion in iPSC-Derived Skeletal Muscle Cells. *Molecular Therapy - Nucleic Acids*, **2017**, 7, 101-115	10.7	36
248	Changing POU dimerization preferences converts Oct6 into a pluripotency inducer. *EMBO Reports*, **2017**, 18, 319-333	6.5	28
247	FACS-Assisted CRISPR-Cas9 Genome Editing Facilitates Parkinson's Disease Modeling. *Stem Cell Reports*, **2017**, 9, 1423-1431	8	49
246	Transcriptional regulation of endothelial cell behavior during sprouting angiogenesis. *Nature Communications*, **2017**, 8, 726	17.4	48
245	Emergence of CD43-Expressing Hematopoietic Progenitors from Human Induced Pluripotent Stem Cells. *Transfusion Medicine and Hemotherapy*, **2017**, 44, 143-150	4.2	12
244	Discovery of a Novel Inhibitor of the Hedgehog Signaling Pathway through Cell-based Compound Discovery and Target Prediction. *Angewandte Chemie - International Edition*, **2017**, 56, 13021-13025	16.4	17
243	Blockage of the Epithelial-to-Mesenchymal Transition Is Required for Embryonic Stem Cell Derivation. *Stem Cell Reports*, **2017**, 9, 1275-1290	8	8
242	DNA methylation regulates discrimination of enhancers from promoters through a H3K4me1-H3K4me3 seesaw mechanism. *BMC Genomics*, **2017**, 18, 964	4.5	46
241	P3BSseq: parallel processing pipeline software for automatic analysis of bisulfite sequencing data. *Bioinformatics*, **2017**, 33, 428-431	7.2	8
240	Molecular Obstacles to Clinical Translation of iPSCs. *Cell Stem Cell*, **2016**, 19, 298-309	18	91
239	Enhanced OCT4 transcriptional activity substitutes for exogenous SOX2 in cellular reprogramming. *Scientific Reports*, **2016**, 6, 19415	4.9	6
238	Distinct Signaling Requirements for the Establishment of ESC Pluripotency in Late-Stage EpiSCs. *Cell Reports*, **2016**, 15, 787-800	10.6	22
237	Induced neural stem cells from distinct genetic backgrounds exhibit different reprogramming status. *Stem Cell Research*, **2016**, 16, 460-8	1.6	10
236	Epigenetic Aberrations Are Not Specific to Transcription Factor-Mediated Reprogramming. *Stem Cell Reports*, **2016**, 6, 35-43	8	7

235	Epigenetic alteration of imprinted genes during neural differentiation of germline-derived pluripotent stem cells. *Epigenetics*, **2016**, 11, 177-83	5.7	6
234	Stepwise Clearance of Repressive Roadblocks Drives Cardiac Induction in Human ESCs. *Cell Stem Cell*, **2016**, 18, 341-53	18	58
233	Factor-Reduced Human Induced Pluripotent Stem Cells Efficiently Differentiate into Neurons Independent of the Number of Reprogramming Factors. *Stem Cells International*, **2016**, 2016, 4736159	5	4
232	Establishment of feeder-free culture system for human induced pluripotent stem cell on DAS nanocrystalline graphene. *Scientific Reports*, **2016**, 6, 20708	4.9	10
231	Distinct Enhancer Activity of Oct4 in Naive and Primed Mouse Pluripotency. *Stem Cell Reports*, **2016**, 7, 911-926	8	35
230	Epiblastin A Induces Reprogramming of Epiblast Stem Cells Into Embryonic Stem Cells by Inhibition of Casein Kinase 1. *Cell Chemical Biology*, **2016**, 23, 494-507	8.2	22
229	Lineage Segregation in the Totipotent Embryo. *Current Topics in Developmental Biology*, **2016**, 117, 301-17	5.3	10
228	Generation of Integration-free Induced Neural Stem Cells from Mouse Fibroblasts. *Journal of Biological Chemistry*, **2016**, 291, 14199-14212	5.4	21
227	Direct Reprogramming of Hepatic Myofibroblasts into Hepatocytes In Vivo Attenuates Liver Fibrosis. *Cell Stem Cell*, **2016**, 18, 797-808	18	134
226	Small Molecules Facilitate Single Factor-Mediated Hepatic Reprogramming. *Cell Reports*, **2016**, 15, 814-829	8.6	51
225	Comparative transcriptome analysis in induced neural stem cells reveals defined neural cell identities in vitro and after transplantation into the adult rodent brain. *Stem Cell Research*, **2016**, 16, 776-81	1.6	4
224	Gadd45a is a heterochromatin relaxer that enhances iPS cell generation. *EMBO Reports*, **2016**, 17, 1641-1656	6.5	22
223	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	8	60
222	Human primordial germ cell commitment in vitro associates with a unique PRDM14 expression profile. *EMBO Journal*, **2015**, 34, 1009-24	13	98
221	Erythroid differentiation of human induced pluripotent stem cells is independent of donor cell type of origin. *Haematologica*, **2015**, 100, 32-41	6.6	40
220	Hypoxia induces pluripotency in primordial germ cells by HIF1α stabilization and Oct4 deregulation. *Antioxidants and Redox Signaling*, **2015**, 22, 205-23	8.4	18
219	Reactivation of the inactive X chromosome and post-transcriptional reprogramming of Xist in iPSCs. *Journal of Cell Science*, **2015**, 128, 81-7	5.3	11
218	Generation of integration-free induced hepatocyte-like cells from mouse fibroblasts. *Scientific Reports*, **2015**, 5, 15706	4.9	21

217	Dissecting the role of distinct OCT4-SOX2 heterodimer configurations in pluripotency. *Scientific Reports*, **2015**, 5, 13533	4.9	40
216	A Dynamic Role of TBX3 in the Pluripotency Circuitry. *Stem Cell Reports*, **2015**, 5, 1155-1170	8	35
215	Universal cardiac induction of human pluripotent stem cells in two and three-dimensional formats: implications for in vitro maturation. *Stem Cells*, **2015**, 33, 1456-69	5.8	64
214	Direct conversion of mouse fibroblasts into induced neural stem cells. *Nature Protocols*, **2014**, 9, 871-81	18.8	63
213	OCT4: dynamic DNA binding pioneers stem cell pluripotency. *Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms*, **2014**, 1839, 138-54	6	96
212	Nuclear reprogramming by interphase cytoplasm of two-cell mouse embryos. *Nature*, **2014**, 509, 101-4	50.4	36
211	Counteracting activities of OCT4 and KLF4 during reprogramming to pluripotency. *Stem Cell Reports*, **2014**, 2, 351-65	8	11
210	Inhibition of TGF signaling promotes ground state pluripotency. *Stem Cell Reviews and Reports*, **2014**, 10, 16-30	6.4	51
209	Signaling roadmap modulating naive and primed pluripotency. *Stem Cells and Development*, **2014**, 23, 193-208	4.4	37
208	Human iPSC models of neuronal ceroid lipofuscinosis capture distinct effects of TPP1 and CLN3 mutations on the endocytic pathway. *Human Molecular Genetics*, **2014**, 23, 2005-22	5.6	95
207	The POU-er of gene nomenclature. *Development (Cambridge)*, **2014**, 141, 2921-3	6.6	24
206	Human adult white matter progenitor cells are multipotent neuroprogenitors similar to adult hippocampal progenitors. *Stem Cells Translational Medicine*, **2014**, 3, 458-69	6.9	18
205	Investigating human disease using stem cell models. *Nature Reviews Genetics*, **2014**, 15, 625-39	30.1	198
204	Induced neural stem cells achieve long-term survival and functional integration in the adult mouse brain. *Stem Cell Reports*, **2014**, 3, 423-31	8	47
203	iPS cell derived neuronal cells for drug discovery. *Trends in Pharmacological Sciences*, **2014**, 35, 510-9	13.2	52
202	Role of Oct4 in the early embryo development. *Cell Regeneration*, **2014**, 3, 7	2.5	95
201	Structural basis for the SOX-dependent genomic redistribution of OCT4 in stem cell differentiation. *Structure*, **2014**, 22, 1274-1286	5.2	34
200	Germ cell nuclear factor regulates gametogenesis in developing gonads. *PLoS ONE*, **2014**, 9, e103985	3.7	12

199	Therapeutic potential of induced neural stem cells for spinal cord injury. *Journal of Biological Chemistry*, **2014**, 289, 32512-25	5.4	55
198	A novel feeder-free culture system for expansion of mouse spermatogonial stem cells. *Molecules and Cells*, **2014**, 37, 473-9	3.5	19
197	CellNet--where your cells are standing. *Cell*, **2014**, 158, 699-701	56.2	4
196	Origin-dependent neural cell identities in differentiated human iPSCs in vitro and after transplantation into the mouse brain. *Cell Reports*, **2014**, 8, 1697-1703	10.6	34
195	Nanog induces hyperplasia without initiating tumors. *Stem Cell Research*, **2014**, 13, 300-15	1.6	19
194	Establishment of a primed pluripotent epiblast stem cell in FGF4-based conditions. *Scientific Reports*, **2014**, 4, 7477	4.9	30
193	BRG1 Is Required to Maintain Pluripotency of Murine Embryonic Stem Cells. *BioResearch Open Access*, **2014**, 3, 1-8	2.4	12
192	Scientific record: Frame retractions so they hold firm. *Nature*, **2014**, 513, 172	50.4	
191	Establishment of totipotency does not depend on Oct4A. *Nature Cell Biology*, **2013**, 15, 1089-97	23.4	78
190	Analysis of protein-coding mutations in hiPSCs and their possible role during somatic cell reprogramming. *Nature Communications*, **2013**, 4, 1382	17.4	51
189	Topographic effect on human induced pluripotent stem cells differentiation towards neuronal lineage. *Biomaterials*, **2013**, 34, 8131-9	15.6	91
188	Highly enantioselective catalytic synthesis of neurite growth-promoting secoyohimbanes. *Chemistry and Biology*, **2013**, 20, 500-9		44
187	SILAC proteomics of planarians identifies Ncoa5 as a conserved component of pluripotent stem cells. *Cell Reports*, **2013**, 5, 1142-55	10.6	34
186	Disclosing the crosstalk among DNA methylation, transcription factors, and histone marks in human pluripotent cells through discovery of DNA methylation motifs. *Genome Research*, **2013**, 23, 2013-29	9.7	29
185	Conversion of genomic imprinting by reprogramming and redifferentiation. *Journal of Cell Science*, **2013**, 126, 2516-24	5.3	19
184	TBX3 Directs Cell-Fate Decision toward Mesendoderm. *Stem Cell Reports*, **2013**, 1, 248-65	8	57
183	A unique Oct4 interface is crucial for reprogramming to pluripotency. *Nature Cell Biology*, **2013**, 15, 295-301	19.4	109
182	A central role for TFIID in the pluripotent transcription circuitry. *Nature*, **2013**, 495, 516-9	50.4	62

181	Rapid and efficient generation of neurons from human pluripotent stem cells in a multititre plate format. *Journal of Visualized Experiments*, **2013**, e4335	1.6	4
180	Genetic correction of a LRRK2 mutation in human iPSCs links parkinsonian neurodegeneration to ERK-dependent changes in gene expression. *Cell Stem Cell*, **2013**, 12, 354-67	18	382
179	Expansion and differentiation of germline-derived pluripotent stem cells on biomaterials. *Tissue Engineering - Part A*, **2013**, 19, 1067-80	3.9	4
178	Discovery of neuritogenic compound classes inspired by natural products. *Angewandte Chemie - International Edition*, **2013**, 52, 9576-81	16.4	68
177	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, 641-54	6.9	31
176	Discovery of Neuritogenic Compound Classes Inspired by Natural Products. *Angewandte Chemie*, **2013**, 125, 9755-9760	3.6	28
175	A combined approach facilitates the reliable detection of human spermatogonia in vitro. *Human Reproduction*, **2013**, 28, 3012-25	5.7	56
174	Effects of erythropoietin in murine-induced pluripotent cell-derived panneural progenitor cells. *Molecular Medicine*, **2013**, 19, 399-408	6.2	
173	Parthenogenetic stem cells for tissue-engineered heart repair. *Journal of Clinical Investigation*, **2013**, 123, 1285-98	15.9	85
172	Derivation and expansion using only small molecules of human neural progenitors for neurodegenerative disease modeling. *PLoS ONE*, **2013**, 8, e59252	3.7	233
171	Sox2 Level Is a Determinant of Cellular Reprogramming Potential. *PLoS ONE*, **2013**, 8, e67594	3.7	5
170	Reprogramming to pluripotency through a somatic stem cell intermediate. *PLoS ONE*, **2013**, 8, e85138	3.7	13
169	Reprogramming to pluripotency is an ancient trait of vertebrate Oct4 and Pou2 proteins. *Nature Communications*, **2012**, 3, 1279	17.4	50
168	Discovery of inhibitors of microglial neurotoxicity acting through multiple mechanisms using a stem-cell-based phenotypic assay. *Cell Stem Cell*, **2012**, 11, 620-32	18	63
167	REST and its downstream molecule Mek5 regulate survival of primordial germ cells. *Developmental Biology*, **2012**, 372, 190-202	3.1	13
166	Reprogramming and the mammalian germline: the Weismann barrier revisited. *Current Opinion in Cell Biology*, **2012**, 24, 716-23	9	37
165	Direct reprogramming of fibroblasts into neural stem cells by defined factors. *Cell Stem Cell*, **2012**, 10, 465-72	18	441
164	Restoring stem cell function in aged tissues by direct reprogramming?. *Cell Stem Cell*, **2012**, 10, 653-656	18	7

163	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, 16196-201	11.5	129
162	Direct visualization of cell division using high-resolution imaging of M-phase of the cell cycle. *Nature Communications*, **2012**, 3, 1076	17.4	69
161	Epithelial morphogenesis of germline-derived pluripotent stem cells on organotypic skin equivalents in vitro. *Differentiation*, **2012**, 83, 138-47	3.5	9
160	Increased reprogramming capacity of mouse liver progenitor cells, compared with differentiated liver cells, requires the BAF complex. *Gastroenterology*, **2012**, 142, 907-17	13.3	42
159	Directing reprogramming to pluripotency by transcription factors. *Current Opinion in Genetics and Development*, **2012**, 22, 416-22	4.9	26
158	Reestablishment of the inactive X chromosome to the ground state through cell fusion-induced reprogramming. *Cellular and Molecular Life Sciences*, **2012**, 69, 4067-77	10.3	2
157	Zfp296 is a novel, pluripotent-specific reprogramming factor. *PLoS ONE*, **2012**, 7, e34645	3.7	30
156	Comprehensive human transcription factor binding site map for combinatory binding motifs discovery. *PLoS ONE*, **2012**, 7, e49086	3.7	5
155	Differentiation efficiency of induced pluripotent stem cells depends on the number of reprogramming factors. *Stem Cells*, **2012**, 30, 570-9	5.8	40
154	Concise review: Oct4 and more: the reprogramming expressway. *Stem Cells*, **2012**, 30, 15-21	5.8	83
153	CD49f enhances multipotency and maintains stemness through the direct regulation of OCT4 and SOX2. *Stem Cells*, **2012**, 30, 876-87	5.8	109
152	Autologous pluripotent stem cells generated from adult mouse testicular biopsy. *Stem Cell Reviews and Reports*, **2012**, 8, 435-44	6.4	16
151	Isolation of novel multipotent neural crest-derived stem cells from adult human inferior turbinate. *Stem Cells and Development*, **2012**, 21, 742-56	4.4	88
150	Small molecule-assisted, line-independent maintenance of human pluripotent stem cells in defined conditions. *PLoS ONE*, **2012**, 7, e41958	3.7	59
149	Oct4-enhanced green fluorescent protein transgenic pigs: a new large animal model for reprogramming studies. *Stem Cells and Development*, **2011**, 20, 1563-75	4.4	40
148	Sonic hedgehog shedding results in functional activation of the solubilized protein. *Developmental Cell*, **2011**, 20, 764-74	10.2	61
147	Ultrastructural characterization of mouse embryonic stem cell-derived oocytes and granulosa cells. *Stem Cells and Development*, **2011**, 20, 2205-15	4.4	13
146	Role of mouse maternal Cdx2: what's the debate all about?. *Reproductive BioMedicine Online*, **2011**, 22, 516-8; discussion 519-20	4	4

145	Neural stem cells achieve and maintain pluripotency without feeder cells. *PLoS ONE*, **2011**, 6, e21367	3.7	4
144	Neuroinflammatory and behavioural changes in the Atp7B mutant mouse model of Wilson's disease. *Journal of Neurochemistry*, **2011**, 118, 105-12	6	34
143	Direct reprogramming of fibroblasts into epiblast stem cells. *Nature Cell Biology*, **2011**, 13, 66-71	23.4	101
142	FGF signalling inhibits neural induction in human embryonic stem cells. *EMBO Journal*, **2011**, 30, 4874-84	13	109
141	Visualization and exploration of conserved regulatory modules using ReXSpecies 2. *BMC Evolutionary Biology*, **2011**, 11, 267	3	3
140	Concise review: challenging the pluripotency of human testis-derived ESC-like cells. *Stem Cells*, **2011**, 29, 1165-9	5.8	30
139	Brief report: evaluating the potential of putative pluripotent cells derived from human testis. *Stem Cells*, **2011**, 29, 1304-9	5.8	22
138	Distinct developmental ground states of epiblast stem cell lines determine different pluripotency features. *Stem Cells*, **2011**, 29, 1496-503	5.8	86
137	MicroRNA-221 regulates FAS-induced fulminant liver failure. *Hepatology*, **2011**, 53, 1651-61	11.2	55
136	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**, 79, 426-35	4.6	49
135	Pluripotent hybrid cells contribute to extraembryonic as well as embryonic tissues. *Stem Cells and Development*, **2011**, 20, 1063-9	4.4	10
134	Identification of genes specific to mouse primordial germ cells through dynamic global gene expression. *Human Molecular Genetics*, **2011**, 20, 115-25	5.6	36
133	Lentiviral vector design and imaging approaches to visualize the early stages of cellular reprogramming. *Molecular Therapy*, **2011**, 19, 782-9	11.7	187
132	Bcar3 is expressed in sertoli cells and germ cells of the developing testis in mice. *Sexual Development*, **2011**, 5, 197-204	1.6	2
131	Effects of neural progenitor cells on sensorimotor recovery and endogenous repair mechanisms after photothrombotic stroke. *Stroke*, **2011**, 42, 1757-63	6.7	59
130	Efficient derivation of pluripotent stem cells from siRNA-mediated Cdx2-deficient mouse embryos. *Stem Cells and Development*, **2011**, 20, 485-93	4.4	7
129	Reprogramming fibroblasts into induced pluripotent stem cells with Bmi1. *Cell Research*, **2011**, 21, 1305-15	14.7	98
128	Generation of healthy mice from gene-corrected disease-specific induced pluripotent stem cells. *PLoS Biology*, **2011**, 9, e1001099	9.7	43

127	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	3.7	60
126	Direct Reprogramming of Human Neural Stem Cells by the Single Transcription Factor OCT4. *Pancreatic Islet Biology*, **2011**, 439-447	0.4	
125	Breakthrough in Stem Cell Research? The Reprogramming of Somatic Cells to Pluripotent Stem Cells: Overview and Outlook **2011**, 7-24		
124	Dynamic link of DNA demethylation, DNA strand breaks and repair in mouse zygotes. *EMBO Journal* , **2010**, 29, 1877-88	13	201
123	Human adult germline stem cells in question. *Nature*, **2010**, 465, E1; discussion E3	50.4	67
122	Conversion of adult mouse unipotent germline stem cells into pluripotent stem cells. *Nature Protocols*, **2010**, 5, 921-8	18.8	45
121	In vitro derivation of germ cells from embryonic stem cells. *Frontiers in Bioscience - Landmark*, **2010**, 15, 46-56	2.8	14
120	Oct1 regulates trophoblast development during early mouse embryogenesis. *Development (Cambridge)*, **2010**, 137, 3551-60	6.6	41
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2	In vitro differentiation of germ cells from stem cells236-249		

List of Publications

1	A mesh microelectrode array for non-invasive electrophysiology within neural organoids	6