

Hiromitsu Nakauchi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

258
papers

17,198
citations

57
h-index

128
g-index

273
ext. papers

19,759
ext. citations

8.9
avg, IF

6.29
L-index

#	Paper	IF	Citations
258	Generation of heterozygous PKD1 mutant pigs exhibiting early-onset renal cyst formation.. <i>Laboratory Investigation</i> , 2022 ,	5.9	1
257	Improving the safety of iPSC-derived T cell therapy 2022 , 95-115		0
256	Investigation of Cas9 antibodies in the human eye.. <i>Nature Communications</i> , 2022 , 13, 1053	17.4	2
255	In vitro and in vivo functions of T cells produced in complemented thymi of chimeric mice generated by blastocyst complementation.. <i>Scientific Reports</i> , 2022 , 12, 3242	4.9	1
254	Treatment of a genetic brain disease by CNS-wide microglia replacement.. <i>Science Translational Medicine</i> , 2022 , 14, eabl9945	17.5	1
253	Functional primordial germ cell-like cells from pluripotent stem cells in rats.. <i>Science</i> , 2022 , 376, 176-179	33.3	1
252	Bioluminescent Tracking of Human Induced Pluripotent Stem Cells In Vitro and In Vivo. <i>Methods in Molecular Biology</i> , 2022 , 291-297	1.4	
251	Dual-antigen targeted iPSC-derived chimeric antigen receptor-T cell therapy for refractory lymphoma. <i>Molecular Therapy</i> , 2021 ,	11.7	2
250	Tracing the emergence of primordial germ cells from bilaminar disc rabbit embryos and pluripotent stem cells. <i>Cell Reports</i> , 2021 , 37, 109812	10.6	4
249	Feasibility of large experimental animal models in testing novel therapeutic strategies for diabetes. <i>World Journal of Diabetes</i> , 2021 , 12, 306-330	4.7	1
248	ISSCR guidelines for the transfer of human pluripotent stem cells and their direct derivatives into animal hosts. <i>Stem Cell Reports</i> , 2021 , 16, 1409-1415	8	4
247	Generation of Functional Organs Using a Cell-Competitive Niche in Intra- and Inter-species Rodent Chimeras. <i>Cell Stem Cell</i> , 2021 , 28, 141-149.e3	18	11
246	Blastocyst complementation using Prdm14-deficient rats enables efficient germline transmission and generation of functional mouse spermatids in rats. <i>Nature Communications</i> , 2021 , 12, 1328	17.4	3
245	iPSC-Derived Neoantigen-Specific CTL Therapy for Ewing Sarcoma. <i>Cancer Immunology Research</i> , 2021 , 9, 1175-1186	12.5	0
244	High glucose macrophage exosomes enhance atherosclerosis by driving cellular proliferation & hematopoiesis. <i>iScience</i> , 2021 , 24, 102847	6.1	6
243	Polyvinyl alcohol hydrolysis rate and molecular weight influence human and murine HSC activity ex vivo. <i>Stem Cell Research</i> , 2021 , 56, 102531	1.6	1
242	Cas9-AAV6 gene correction of beta-globin in autologous HSCs improves sickle cell disease erythropoiesis in mice. <i>Nature Communications</i> , 2021 , 12, 686	17.4	17

241	Haematopoietic stem cell self-renewal in vivo and ex vivo. <i>Nature Reviews Genetics</i> , 2020 , 21, 541-554	30.1	39
240	In vivo and ex vivo haematopoietic stem cell expansion. <i>Current Opinion in Hematology</i> , 2020 , 27, 273-278	3.3	0
239	Stabilizing hematopoietic stem cells in vitro. <i>Current Opinion in Genetics and Development</i> , 2020 , 64, 1-5	4.9	7
238	Sustainable Tumor-Suppressive Effect of iPSC-Derived Rejuvenated T Cells Targeting Cervical Cancers. <i>Molecular Therapy</i> , 2020 , 28, 2394-2405	11.7	9
237	Stepwise strategy for generating osteoblasts from human pluripotent stem cells under fully defined xeno-free conditions with small-molecule inducers. <i>Regenerative Therapy</i> , 2020 , 14, 19-31	3.7	7
236	Germline development in rat revealed by visualization and deletion of. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	11
235	SATB1 Regulates GATA1 Protein Expression in Early Hematopoiesis and Is Deregulated in Diamond Blackfan Anemia. <i>Blood</i> , 2020 , 136, 3-3	2.2	
234	Genetically engineered pigs manifesting pancreatic agenesis with severe diabetes. <i>BMJ Open Diabetes Research and Care</i> , 2020 , 8,	4.5	1
233	iPSC-derived Rejuvenated T-cell Therapy for Extranodal NK/T-cell Lymphoma, Nasal Type. <i>Juntendo Medical Journal</i> , 2020 , 66, 200-205	0.1	
232	Long-term eradication of extranodal natural killer/T-cell lymphoma, nasal type, by induced pluripotent stem cell-derived Epstein-Barr virus-specific rejuvenated T cells. <i>Haematologica</i> , 2020 , 105, 796-807	6.6	7
231	Long-term ex vivo expansion of mouse hematopoietic stem cells. <i>Nature Protocols</i> , 2020 , 15, 628-648	18.8	17
230	Compensation of Disabled Organogeneses in Genetically Modified Pig Fetuses by Blastocyst Complementation. <i>Stem Cell Reports</i> , 2020 , 14, 21-33	8	22
229	In vivo clonal analysis of aging hematopoietic stem cells. <i>Mechanisms of Ageing and Development</i> , 2020 , 192, 111378	5.6	1
228	Macrophage Exosomes Resolve Atherosclerosis by Regulating Hematopoiesis and Inflammation via MicroRNA Cargo. <i>Cell Reports</i> , 2020 , 32, 107881	10.6	46
227	Hedgehog Activation Regulates Human Osteoblastogenesis. <i>Stem Cell Reports</i> , 2020 , 15, 125-139	8	6
226	Long-term ex vivo haematopoietic-stem-cell expansion allows nonconditioned transplantation. <i>Nature</i> , 2019 , 571, 117-121	50.4	128
225	Anephrogenic phenotype induced by SALL1 gene knockout in pigs. <i>Scientific Reports</i> , 2019 , 9, 8016	4.9	4
224	Highly Efficient and Marker-free Genome Editing of Human Pluripotent Stem Cells by CRISPR-Cas9 RNP and AAV6 Donor-Mediated Homologous Recombination. <i>Cell Stem Cell</i> , 2019 , 24, 821-828.e5	18	70

223	Loss of fibrocystin promotes interleukin-8-dependent proliferation and CTGF production of biliary epithelium. <i>Journal of Hepatology</i> , 2019 , 71, 143-152	13.4	7
222	Generation of pluripotent stem cell-derived mouse kidneys in Sall1-targeted anephric rats. <i>Nature Communications</i> , 2019 , 10, 451	17.4	52
221	LIM homeobox 2 promotes interaction between human iPS-derived hepatic progenitors and iPS-derived hepatic stellate-like cells. <i>Scientific Reports</i> , 2019 , 9, 2072	4.9	8
220	Simple and Robust Differentiation of Human Pluripotent Stem Cells toward Chondrocytes by Two Small-Molecule Compounds. <i>Stem Cell Reports</i> , 2019 , 13, 530-544	8	15
219	Hematopoietic stem cell-independent hematopoiesis and the origins of innate-like B lymphocytes. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	17
218	Single cell analysis of human foetal liver captures the transcriptional profile of hepatobiliary hybrid progenitors. <i>Nature Communications</i> , 2019 , 10, 3350	17.4	52
217	Generation of functional lungs via conditional blastocyst complementation using pluripotent stem cells. <i>Nature Medicine</i> , 2019 , 25, 1691-1698	50.5	32
216	CRISPR/Cas9 + AAV-mediated Intra-embryonic Gene Knocking in Mice. <i>Bio-protocol</i> , 2019 , 9, e3295	0.9	1
215	Human iPSC Generation from Antigen-Specific T Cells. <i>Methods in Molecular Biology</i> , 2019 , 2048, 53-57	1.4	
214	Using the Inducible Caspase-9 Suicide-Safeguard System with iPSC and Bioluminescent Tracking. <i>Methods in Molecular Biology</i> , 2019 , 2048, 259-264	1.4	2
213	Sufficiency for inducible Caspase-9 safety switch in human pluripotent stem cells and disease cells. <i>Gene Therapy</i> , 2019 , 27, 525-534	4	3
212	Use of polyvinyl alcohol for chimeric antigen receptor T-cell expansion. <i>Experimental Hematology</i> , 2019 , 80, 16-20	3.1	5
211	Generation of Antigen-Specific T Cells from Human Induced Pluripotent Stem Cells. <i>Methods in Molecular Biology</i> , 2019 , 1899, 25-40	1.4	10
210	Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. <i>Cell Stem Cell</i> , 2018 , 22, 713-725.e8	18	16
209	Large-Scale Clonal Analysis Resolves Aging of the Mouse Hematopoietic Stem Cell Compartment. <i>Cell Stem Cell</i> , 2018 , 22, 600-607.e4	18	77
208	Modeling lethal X-linked genetic disorders in pigs with ensured fertility. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018 , 115, 708-713	11.5	10
207	iPSC-Derived Organs In Vivo: Challenges and Promise. <i>Cell Stem Cell</i> , 2018 , 22, 21-24	18	22
206	In vitro platform of allogeneic stem cell-derived cardiomyocyte transplantation for cardiac conduction defects. <i>Europace</i> , 2018 , 20, 1553-1560	3.9	2

205	Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. <i>Biomaterials</i> , 2018 , 182, 299-311	15.6	62
204	Chimeric liver transplantation reveals interspecific graft remodelling. <i>Journal of Hepatology</i> , 2018 , 69, 1025-1036	13.4	8
203	Branched-chain amino acid depletion conditions bone marrow for hematopoietic stem cell transplantation avoiding amino acid imbalance-associated toxicity. <i>Experimental Hematology</i> , 2018 , 63, 12-16.e1	3.1	17
202	Generation of HIV-Resistant Macrophages from iPSCs by Using Transcriptional Gene Silencing and Promoter-Targeted RNA. <i>Molecular Therapy - Nucleic Acids</i> , 2018 , 12, 793-804	10.7	8
201	Designing Motif-Engineered Receptors To Elucidate Signaling Molecules Important for Proliferation of Hematopoietic Stem Cells. <i>ACS Synthetic Biology</i> , 2018 , 7, 1709-1714	5.7	7
200	Physiological P95H expression causes impaired hematopoietic stem cell functions and aberrant RNA splicing in mice. <i>Blood</i> , 2018 , 131, 621-635	2.2	46
199	Dissection of Signaling Events Downstream of the c-Mpl Receptor in Murine Hematopoietic Stem Cells Via Motif-Engineered Chimeric Receptors. <i>Stem Cell Reviews and Reports</i> , 2018 , 14, 101-109	6.4	4
198	Intra-embryo Gene Cassette Knockin by CRISPR/Cas9-Mediated Genome Editing with Adeno-Associated Viral Vector. <i>iScience</i> , 2018 , 9, 286-297	6.1	34
197	Changing concepts in hematopoietic stem cells. <i>Science</i> , 2018 , 362, 895-896	33.3	25
196	Efficient scarless genome editing in human pluripotent stem cells. <i>Nature Methods</i> , 2018 , 15, 1045-1047	21.6	15
195	Generation of Vascular Endothelial Cells and Hematopoietic Cells by Blastocyst Complementation. <i>Stem Cell Reports</i> , 2018 , 11, 988-997	8	26
194	Mosaicism diminishes the value of pre-implantation embryo biopsies for detecting CRISPR/Cas9 induced mutations in sheep. <i>Transgenic Research</i> , 2018 , 27, 525-537	3.3	15
193	Using patient-derived iPSCs to develop humanized mouse models for chronic myelomonocytic leukemia and therapeutic drug identification, including liposomal clodronate. <i>Scientific Reports</i> , 2018 , 8, 15855	4.9	15
192	An interspecies barrier to tetraploid complementation and chimera formation. <i>Scientific Reports</i> , 2018 , 8, 15289	4.9	14
191	Integrated Stress Response Activity Marks Stem Cells in Normal Hematopoiesis and Leukemia. <i>Cell Reports</i> , 2018 , 25, 1109-1117.e5	10.6	39
190	Interspecies chimeras. <i>Current Opinion in Genetics and Development</i> , 2018 , 52, 36-41	4.9	19
189	Continuous cell supply from Krt7-expressing hematopoietic stem cells during native hematopoiesis revealed by targeted in vivo gene transfer method. <i>Scientific Reports</i> , 2017 , 7, 40684	4.9	11
188	Interspecies organogenesis generates autologous functional islets. <i>Nature</i> , 2017 , 542, 191-196	50.4	168

187	An All-Recombinant Protein-Based Culture System Specifically Identifies Hematopoietic Stem Cell Maintenance Factors. <i>Stem Cell Reports</i> , 2017 , 8, 500-508	8	21
186	Fail-Safe System against Potential Tumorigenicity after Transplantation of iPSC Derivatives. <i>Stem Cell Reports</i> , 2017 , 8, 673-684	8	68
185	Analysis of Müller glia specific genes and their histone modification using Hes1-promoter driven EGFP expressing mouse. <i>Scientific Reports</i> , 2017 , 7, 3578	4.9	15
184	Mammalian Transcription Factor Networks: Recent Advances in Interrogating Biological Complexity. <i>Cell Systems</i> , 2017 , 5, 319-331	10.6	28
183	In Vivo Generation of Engraftable Murine Hematopoietic Stem Cells by Gfi1b, c-Fos, and Gata2 Overexpression within Teratoma. <i>Stem Cell Reports</i> , 2017 , 9, 1024-1033	8	19
182	A Novel Mouse Model of iNKT Cell-deficiency Generated by CRISPR/Cas9 Reveals a Pathogenic Role of iNKT Cells in Metabolic Disease. <i>Scientific Reports</i> , 2017 , 7, 12765	4.9	8
181	Establishment of mouse expanded potential stem cells. <i>Nature</i> , 2017 , 550, 393-397	50.4	128
180	Haploid embryonic stem cell lines derived from androgenetic and parthenogenetic rat blastocysts. <i>Journal of Reproduction and Development</i> , 2017 , 63, 611-616	2.1	3
179	Thalidomide induces apoptosis in undifferentiated human induced pluripotent stem cells. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017 , 53, 841-851	2.6	6
178	Interspecies chimeras for human stem cell research. <i>Development (Cambridge)</i> , 2017 , 144, 2544-2547	6.6	16
177	Lessons from Interspecies Mammalian Chimeras. <i>Annual Review of Cell and Developmental Biology</i> , 2017 , 33, 203-217	12.6	13
176	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. <i>Scientific Reports</i> , 2017 , 7, 17472	4.9	39
175	Off-the-shelf Immunotherapy with iPSC-derived rejuvenated cytotoxic T lymphocytes. <i>Experimental Hematology</i> , 2017 , 47, 2-12	3.1	16
174	Pre-Transplantation Blockade of TNF- α -Mediated Oxygen Species Accumulation Protects Hematopoietic Stem Cells. <i>Stem Cells</i> , 2017 , 35, 989-1002	5.8	15
173	Novel TPO receptor agonist TA-316 contributes to platelet biogenesis from human iPS cells. <i>Blood Advances</i> , 2017 , 1, 468-476	7.8	15
172	Generation and In Vitro Expansion of Hepatic Progenitor Cells from Human iPS Cells. <i>Methods in Molecular Biology</i> , 2016 , 1357, 295-310	1.4	3
171	Human induced pluripotent stem cell-derived hepatic cell lines as a new model for host interaction with hepatitis B virus. <i>Scientific Reports</i> , 2016 , 6, 29358	4.9	35
170	Depleting dietary valine permits nonmyeloablative mouse hematopoietic stem cell transplantation. <i>Science</i> , 2016 , 354, 1152-1155	33.3	94

169	Application of Droplet Digital PCR for Estimating Vector Copy Number States in Stem Cell Gene Therapy. <i>Human Gene Therapy Methods</i> , 2016 , 27, 197-208	4.9	11
168	Inhibition of Apoptosis Overcomes Stage-Related Compatibility Barriers to Chimera Formation in Mouse Embryos. <i>Cell Stem Cell</i> , 2016 , 19, 587-592	18	62
167	Establishment of high reciprocal connectivity between clonal cortical neurons is regulated by the Dnmt3b DNA methyltransferase and clustered protocadherins. <i>BMC Biology</i> , 2016 , 14, 103	7.3	26
166	Matrix metalloproteinase-14 mediates formation of bile ducts and hepatic maturation of fetal hepatic progenitor cells. <i>Biochemical and Biophysical Research Communications</i> , 2016 , 469, 1062-8	3.4	7
165	Fetal Hematopoietic Stem Cell Transplantation Fails to Fully Regenerate the B-Lymphocyte Compartment. <i>Stem Cell Reports</i> , 2016 , 6, 137-49	8	36
164	Rat Blastocysts from Nuclear Injection and Time-Lagged Enucleation and Their Commitment to Embryonic Stem Cells. <i>Cellular Reprogramming</i> , 2016 , 18, 108-15	2.1	2
163	Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. <i>Nature</i> , 2016 , 530, 223-7	50.4	205
162	Development and Regeneration of Hematopoietic Stem Cells 2016 , 1-30		
161	In Vivo Generation of Engraftable Murine Hematopoietic Stem Cells from Induced Pluripotent Stem Cells through Hemogenic Endothelium. <i>Blood</i> , 2016 , 128, 3866-3866	2.2	
160	Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency. <i>Developmental Cell</i> , 2016 , 38, 100-15	10.2	24
159	Practical selection methods for rat and mouse round spermatids without DNA staining by flow cytometric cell sorting. <i>Molecular Reproduction and Development</i> , 2016 , 83, 488-96	2.6	9
158	Investigation of bipotent differentiation of hepatoblasts using inducible diphtheria toxin receptor-transgenic mice. <i>Hepatology Research</i> , 2016 , 46, 816-28	5.1	2
157	Stem cells and interspecies chimaeras. <i>Nature</i> , 2016 , 540, 51-59	50.4	97
156	Transition of differential histone H3 methylation in photoreceptors and other retinal cells during retinal differentiation. <i>Scientific Reports</i> , 2016 , 6, 29264	4.9	23
155	Setdb1 maintains hematopoietic stem and progenitor cells by restricting the ectopic activation of nonhematopoietic genes. <i>Blood</i> , 2016 , 128, 638-49	2.2	44
154	Non-myeloablative preconditioning with ACK2 (anti-c-kit antibody) is efficient in bone marrow transplantation for murine models of mucopolysaccharidosis type II. <i>Molecular Genetics and Metabolism</i> , 2016 , 119, 232-238	3.7	12
153	Multiple allogeneic progenitors in combination function as a unit to support early transient hematopoiesis in transplantation. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1865-80	16.6	5
152	MEK-ERK Activity Regulates the Proliferative Activity of Fetal Hepatoblasts Through Accumulation of p16/19(cdkn2a). <i>Stem Cells and Development</i> , 2015 , 24, 2525-35	4.4	10

151	Cell Adhesion Minimization by a Novel Mesh Culture Method Mechanically Directs Trophoblast Differentiation and Self-Assembly Organization of Human Pluripotent Stem Cells. <i>Tissue Engineering - Part C: Methods</i> , 2015 , 21, 1105-15	2.9	17
150	Vascularized and Complex Organ Buds from Diverse Tissues via Mesenchymal Cell-Driven Condensation. <i>Cell Stem Cell</i> , 2015 , 16, 556-65	18	286
149	Lift NIH restrictions on chimera research. <i>Science</i> , 2015 , 350, 640	33.3	11
148	A Safeguard System for Induced Pluripotent Stem Cell-Derived Rejuvenated T Cell Therapy. <i>Stem Cell Reports</i> , 2015 , 5, 597-608	8	49
147	Dipeptide species regulate p38MAPK-Smad3 signalling to maintain chronic myelogenous leukaemia stem cells. <i>Nature Communications</i> , 2015 , 6, 8039	17.4	40
146	Liver maturation deficiency in p57(Kip2) ^{-/-} mice occurs in a hepatocytic p57(Kip2) expression-independent manner. <i>Developmental Biology</i> , 2015 , 407, 331-43	3.1	2
145	Targeted organ generation using Mixl1-inducible mouse pluripotent stem cells in blastocyst complementation. <i>Stem Cells and Development</i> , 2015 , 24, 182-9	4.4	50
144	The basic helix-loop-helix transcription factor, Mist1, induces maturation of mouse fetal hepatoblasts. <i>Scientific Reports</i> , 2015 , 5, 14989	4.9	10
143	T-cell-restricted T-bet overexpression induces aberrant hematopoiesis of myeloid cells and impairs function of macrophages in the lung. <i>Blood</i> , 2015 , 125, 370-82	2.2	12
142	An assessment of the effects of ectopic gp91phox expression in XCGD iPSC-derived neutrophils. <i>Molecular Therapy - Methods and Clinical Development</i> , 2015 , 2, 15046	6.4	6
141	Knock-in of a histone H2B-tdTomato reporter into the Rosa26 locus allows visualization of cell nuclei in rats. <i>Molecular Reproduction and Development</i> , 2015 , 82, 916-7	2.6	4
140	Screening of drugs to treat 8p11 myeloproliferative syndrome using patient-derived induced pluripotent stem cells with fusion gene CEP110-FGFR1. <i>PLoS ONE</i> , 2015 , 10, e0120841	3.7	17
139	Successful reprogramming of epiblast stem cells by blocking nuclear localization of Ectenin. <i>Stem Cell Reports</i> , 2015 , 4, 103-113	8	31
138	Interspecific in vitro assay for the chimera-forming ability of human pluripotent stem cells. <i>Development (Cambridge)</i> , 2015 , 142, 3222-30	6.6	36
137	Effective treatment against severe graft-versus-host disease with allele-specific anti-HLA monoclonal antibody in a humanized mouse model. <i>Experimental Hematology</i> , 2015 , 43, 79-88.e1-4	3.1	6
136	Roles of histone H3K27 trimethylase Ezh2 in retinal proliferation and differentiation. <i>Developmental Neurobiology</i> , 2015 , 75, 947-60	3.2	36
135	Analysis of Physical Characteristic of Hematopoietic Cells 2015 , 79-90		
134	Proof of Benefit in Multiple-Cord Blood Transplantation Evidenced By Early Hematopoietic Reconstitution. <i>Blood</i> , 2015 , 126, 3071-3071	2.2	

133	Developmental epigenetic modification regulates stochastic expression of clustered protocadherin genes, generating single neuron diversity. <i>Neuron</i> , 2014 , 82, 94-108	13.9	91
132	The generation of induced pluripotent stem cells (iPSCs) from patients with infantile and late-onset types of Pompe disease and the effects of treatment with acid- β -glucosidase in Pompe's iPSCs. <i>Molecular Genetics and Metabolism</i> , 2014 , 112, 44-8	3.7	23
131	Mesenchymal progenitor cells in mouse foetal liver regulate differentiation and proliferation of hepatoblasts. <i>Liver International</i> , 2014 , 34, 1378-90	7.9	15
130	Multicolor staining of globin subtypes reveals impaired globin switching during erythropoiesis in human pluripotent stem cells. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 792-800	6.9	18
129	Generation of mouse functional oocytes in rat by xeno-ectopic transplantation of primordial germ cells. <i>Biology of Reproduction</i> , 2014 , 91, 89	3.9	8
128	Bone marrow Schwann cells induce hematopoietic stem cell hibernation. <i>International Journal of Hematology</i> , 2014 , 99, 695-8	2.3	15
127	Revisiting the flight of Icarus: making human organs from PSCs with large animal chimeras. <i>Cell Stem Cell</i> , 2014 , 15, 406-409	18	78
126	Enzyme augmentation therapy enhances the therapeutic efficacy of bone marrow transplantation in mucopolysaccharidosis type II mice. <i>Molecular Genetics and Metabolism</i> , 2014 , 111, 139-46	3.7	14
125	Expandable megakaryocyte cell lines enable clinically applicable generation of platelets from human induced pluripotent stem cells. <i>Cell Stem Cell</i> , 2014 , 14, 535-48	18	220
124	The TIF1-HP1 system maintains transcriptional integrity of hematopoietic stem cells. <i>Stem Cell Reports</i> , 2014 , 2, 145-52	8	11
123	A chemical probe that labels human pluripotent stem cells. <i>Cell Reports</i> , 2014 , 6, 1165-1174	10.6	34
122	Stepwise differentiation of pluripotent stem cells into osteoblasts using four small molecules under serum-free and feeder-free conditions. <i>Stem Cell Reports</i> , 2014 , 2, 751-60	8	60
121	Generation of induced pluripotent stem cells derived from primary and secondary myelofibrosis patient samples. <i>Experimental Hematology</i> , 2014 , 42, 816-25	3.1	15
120	Down syndrome-associated haematopoiesis abnormalities created by chromosome transfer and genome editing technologies. <i>Scientific Reports</i> , 2014 , 4, 6136	4.9	23
119	Homeodomain transcription factor Meis1 is a critical regulator of adult bone marrow hematopoiesis. <i>PLoS ONE</i> , 2014 , 9, e87646	3.7	31
118	Generation of recombination activating gene-1-deficient neonatal piglets: a model of T and B cell deficient severe combined immune deficiency. <i>PLoS ONE</i> , 2014 , 9, e113833	3.7	26
117	DNA Methylation Is Involved in the Expression of miR-142-3p in Fibroblasts and Induced Pluripotent Stem Cells. <i>Stem Cells International</i> , 2014 , 2014, 101349	5	5
116	Acid sphingomyelinase modulates the autophagic process by controlling lysosomal biogenesis in Alzheimer's disease. <i>Journal of Experimental Medicine</i> , 2014 , 211, 1551-70	16.6	95

115	Stage-specific roles for CXCR4 signaling in murine hematopoietic stem/progenitor cells in the process of bone marrow repopulation. <i>Stem Cells</i> , 2014 , 32, 1929-42	5.8	29
114	Clock gene Bmal1 is dispensable for intrinsic properties of murine hematopoietic stem cells. <i>Journal of Negative Results in BioMedicine</i> , 2014 , 13, 4		9
113	Gene targeting study reveals unexpected expression of brain-expressed X-linked 2 in endocrine and tissue stem/progenitor cells in mice. <i>Journal of Biological Chemistry</i> , 2014 , 289, 29892-911	5.4	16
112	A comprehensive system for generation and evaluation of induced pluripotent stem cells using piggyBac transposition. <i>PLoS ONE</i> , 2014 , 9, e92973	3.7	19
111	A comparison of the rest complex binding patterns in embryonic stem cells and epiblast stem cells. <i>PLoS ONE</i> , 2014 , 9, e95374	3.7	12
110	Five-lineage clonal analysis of hematopoietic stem/progenitor cells. <i>Methods in Molecular Biology</i> , 2014 , 1185, 237-45	1.4	1
109	A Novel Chemical Approach to Expand Platelets Using Immortalized Megakaryocyte Progenitor Cells Derived from Human Induced Pluripotent Stem Cells. <i>Blood</i> , 2014 , 124, 3845-3845	2.2	
108	Epidermal Growth Factor-like Domain 7 Promotes Hematopoietic Stem Cell Expansion and Increases Myeloid-Megakaryocytic Lineage Priming through beta3 Integrin. <i>Blood</i> , 2014 , 124, 2919-2919 ²⁻²		
107	A New Strategy to Overcome the Cell Dose Barrier to Umbilical Cord Blood Transplants: A Proof of Early Hematopoietic Reconstitution By Combined Multiple Units of Allogeneic Stem/Progenitor Cells. <i>Blood</i> , 2014 , 124, 3810-3810	2.2	
106	Clonal analysis unveils self-renewing lineage-restricted progenitors generated directly from hematopoietic stem cells. <i>Cell</i> , 2013 , 154, 1112-1126	56.2	435
105	Sal-like protein 4 (SALL4), a stem cell biomarker in liver cancers. <i>Hepatology</i> , 2013 , 57, 1469-83	11.2	153
104	A retrospective analysis of germline competence in rat embryonic stem cell lines. <i>Transgenic Research</i> , 2013 , 22, 411-6	3.3	13
103	Generation of rejuvenated antigen-specific T cells by reprogramming to pluripotency and redifferentiation. <i>Cell Stem Cell</i> , 2013 , 12, 114-26	18	257
102	Immortalization of erythroblasts by c-MYC and BCL-XL enables large-scale erythrocyte production from human pluripotent stem cells. <i>Stem Cell Reports</i> , 2013 , 1, 499-508	8	56
101	Generation of transgenic mouse line expressing Kusabira Orange throughout body, including erythrocytes, by random segregation of provirus method. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 435, 586-91	3.4	19
100	Top-down motif engineering of a cytokine receptor for directing ex vivo expansion of hematopoietic stem cells. <i>Journal of Biotechnology</i> , 2013 , 168, 659-65	3.7	3
99	Blastocyst complementation generates exogenic pancreas in vivo in apancreatic cloned pigs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 4557-62	11.5	190
98	Enrichment and clonal culture of hepatic stem/progenitor cells during mouse liver development. <i>Methods in Molecular Biology</i> , 2013 , 945, 273-86	1.4	4

97	Generation of engraftable hematopoietic stem cells from induced pluripotent stem cells by way of teratoma formation. <i>Molecular Therapy</i> , 2013 , 21, 1424-31	11.7	148
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