

Hiromitsu Nakauchi

List of Publications by Citations

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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	The ABC transporter Bcrp1/ABCG2 is expressed in a wide variety of stem cells and is a molecular determinant of the side-population phenotype. <i>Nature Medicine</i> , 2001 , 7, 1028-34	50.5	1948
257	Frequent pathway mutations of splicing machinery in myelodysplasia. <i>Nature</i> , 2011 , 478, 64-9	50.4	1415
256	Foxo3a is essential for maintenance of the hematopoietic stem cell pool. <i>Cell Stem Cell</i> , 2007 , 1, 101-12	18	667
255	Side population purified from hepatocellular carcinoma cells harbors cancer stem cell-like properties. <i>Hepatology</i> , 2006 , 44, 240-51	11.2	574
254	Age-associated characteristics of murine hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1273-80	16.6	563
253	Nonmyelinating Schwann cells maintain hematopoietic stem cell hibernation in the bone marrow niche. <i>Cell</i> , 2011 , 147, 1146-58	56.2	537
252	Clonal analysis unveils self-renewing lineage-restricted progenitors generated directly from hematopoietic stem cells. <i>Cell</i> , 2013 , 154, 1112-1126	56.2	435
251	Enhanced self-renewal of hematopoietic stem cells mediated by the polycomb gene product Bmi-1. <i>Immunity</i> , 2004 , 21, 843-51	32.3	424
250	Generation of rat pancreas in mouse by interspecific blastocyst injection of pluripotent stem cells. <i>Cell</i> , 2010 , 142, 787-99	56.2	379
249	Clonal identification and characterization of self-renewing pluripotent stem cells in the developing liver. <i>Journal of Cell Biology</i> , 2002 , 156, 173-84	7.3	317
248	Heterogeneity and hierarchy within the most primitive hematopoietic stem cell compartment. <i>Journal of Experimental Medicine</i> , 2010 , 207, 1173-82	16.6	305
247	Fc alpha/mu receptor mediates endocytosis of IgM-coated microbes. <i>Nature Immunology</i> , 2000 , 1, 441-6	19.1	300
246	Vascularized and Complex Organ Buds from Diverse Tissues via Mesenchymal Cell-Driven Condensation. <i>Cell Stem Cell</i> , 2015 , 16, 556-65	18	286
245	Presence of hematopoietic stem cells in the adult liver. <i>Nature Medicine</i> , 1996 , 2, 198-203	50.5	273
244	Expansion of hematopoietic stem cells in the developing liver of a mouse embryo. <i>Blood</i> , 2000 , 95, 2284-2288	2288	272
243	Generation of rejuvenated antigen-specific T cells by reprogramming to pluripotency and redifferentiation. <i>Cell Stem Cell</i> , 2013 , 12, 114-26	18	257
242	Development of defective and persistent Sendai virus vector: a unique gene delivery/expression system ideal for cell reprogramming. <i>Journal of Biological Chemistry</i> , 2011 , 286, 4760-71	5.4	251

241	Generation of functional platelets from human embryonic stem cells in vitro via ES-sacs, VEGF-promoted structures that concentrate hematopoietic progenitors. <i>Blood</i> , 2008 , 111, 5298-306	2.2	245
240	In vitro self-renewal division of hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 2000 , 192, 1281-8	16.6	244
239	Flow-cytometric separation and enrichment of hepatic progenitor cells in the developing mouse liver. <i>Hepatology</i> , 2000 , 32, 1230-9	11.2	234
238	TGF-beta as a candidate bone marrow niche signal to induce hematopoietic stem cell hibernation. <i>Blood</i> , 2009 , 113, 1250-6	2.2	226
237	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
236	Cytokine signals modulated via lipid rafts mimic niche signals and induce hibernation in hematopoietic stem cells. <i>EMBO Journal</i> , 2006 , 25, 3515-23	13	213
235	Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. <i>Nature</i> , 2016 , 530, 223-7	50.4	205
234	Differential impact of Ink4a and Arf on hematopoietic stem cells and their bone marrow microenvironment in Bmi1-deficient mice. <i>Journal of Experimental Medicine</i> , 2006 , 203, 2247-53	16.6	195
233	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
232	Enhanced self-renewal capability in hepatic stem/progenitor cells drives cancer initiation. <i>Gastroenterology</i> , 2007 , 133, 937-50	13.3	180
231	CD226 (DNAM-1) is involved in lymphocyte function-associated antigen 1 costimulatory signal for naive T cell differentiation and proliferation. <i>Journal of Experimental Medicine</i> , 2003 , 198, 1829-39	16.6	178
230	Interspecies organogenesis generates autologous functional islets. <i>Nature</i> , 2017 , 542, 191-196	50.4	168
229	Asymmetric division and lineage commitment at the level of hematopoietic stem cells: inference from differentiation in daughter cell and granddaughter cell pairs. <i>Journal of Experimental Medicine</i> , 2004 , 199, 295-302	16.6	162
228	Sal-like protein 4 (SALL4), a stem cell biomarker in liver cancers. <i>Hepatology</i> , 2013 , 57, 1469-83	11.2	153
227	Quantification of self-renewal capacity in single hematopoietic stem cells from normal and Lnk-deficient mice. <i>Developmental Cell</i> , 2005 , 8, 907-14	10.2	150
226	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
225	Adult mouse hematopoietic stem cells: purification and single-cell assays. <i>Nature Protocols</i> , 2006 , 1, 2979-88	11.8	147
224	Comparison of mesenchymal stem cells derived from arterial, venous, and Wharton's jelly explants of human umbilical cord. <i>International Journal of Hematology</i> , 2009 , 90, 261-269	2.3	130

223	Establishment of mouse expanded potential stem cells. <i>Nature</i> , 2017 , 550, 393-397	50.4	128
222	Long-term ex vivo haematopoietic-stem-cell expansion allows nonconditioned transplantation. <i>Nature</i> , 2019 , 571, 117-121	50.4	128
221	Lnk negatively regulates self-renewal of hematopoietic stem cells by modifying thrombopoietin-mediated signal transduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 2349-54	11.5	120
220	Erythroid expansion mediated by the Gfi-1B zinc finger protein: role in normal hematopoiesis. <i>Blood</i> , 2002 , 100, 2769-77	2.2	107
219	Stem cells and interspecies chimaeras. <i>Nature</i> , 2016 , 540, 51-59	50.4	97
218	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
217	Depleting dietary valine permits nonmyeloablative mouse hematopoietic stem cell transplantation. <i>Science</i> , 2016 , 354, 1152-1155	33.3	94
216	A novel Fc receptor for IgA and IgM is expressed on both hematopoietic and non-hematopoietic tissues. <i>European Journal of Immunology</i> , 2001 , 31, 1310-6	6.1	93
215	Developmental epigenetic modification regulates stochastic expression of clustered protocadherin genes, generating single neuron diversity. <i>Neuron</i> , 2014 , 82, 94-108	13.9	91
214	Sall4 regulates cell fate decision in fetal hepatic stem/progenitor cells. <i>Gastroenterology</i> , 2009 , 136, 1000-1011	31.1	86
213	Enrichment and clonal culture of progenitor cells during mouse postnatal liver development in mice. <i>Gastroenterology</i> , 2009 , 137, 1114-26, 1126.e1-14	13.3	86
212	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
211	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
210	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
209	Comparison of hematopoietic activities of human bone marrow and umbilical cord blood CD34 positive and negative cells. <i>Stem Cells</i> , 1999 , 17, 286-94	5.8	70
208	Fail-Safe System against Potential Tumorigenicity after Transplantation of iPSC Derivatives. <i>Stem Cell Reports</i> , 2017 , 8, 673-684	8	68
207	Evidence for Hepatocyte Differentiation from Embryonic Stem Cells In Vitro. <i>Cell Transplantation</i> , 2002 , 11, 429-434	4	63
206	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

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	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
203	An in vitro expansion system for generation of human iPS cell-derived hepatic progenitor-like cells exhibiting a bipotent differentiation potential. <i>PLoS ONE</i> , 2013 , 8, e67541	3.7	59
202	The Proportion of Fetal Nucleated Red Blood Cells in Maternal Blood: Stimulation by FACS Analysis. <i>Prenatal Diagnosis</i> , 1997 , 17, 743-752	3.2	58
201	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
200	Analyses of cell surface molecules on hepatic stem/progenitor cells in mouse fetal liver. <i>Journal of Hepatology</i> , 2009 , 51, 127-38	13.4	54
199	Hepatic stem/progenitor cells and stem-cell transplantation for the treatment of liver disease. <i>Journal of Gastroenterology</i> , 2009 , 44, 167-72	6.9	53
198	Generation of germline-competent rat induced pluripotent stem cells. <i>PLoS ONE</i> , 2011 , 6, e22008	3.7	53
197	Generation of pluripotent stem cell-derived mouse kidneys in Sall1-targeted anephric rats. <i>Nature Communications</i> , 2019 , 10, 451	17.4	52
196	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
195	Integrin- α 3 regulates thrombopoietin-mediated maintenance of hematopoietic stem cells. <i>Blood</i> , 2012 , 119, 83-94	2.2	52
194	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
193	A Safeguard System for Induced Pluripotent Stem Cell-Derived Rejuvenated T Cell Therapy. <i>Stem Cell Reports</i> , 2015 , 5, 597-608	8	49
192	Macrophage Exosomes Resolve Atherosclerosis by Regulating Hematopoiesis and Inflammation via MicroRNA Cargo. <i>Cell Reports</i> , 2020 , 32, 107881	10.6	46
191	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
190	Successful multilineage engraftment of human cord blood cells in pigs after in utero transplantation. <i>Transplantation</i> , 2003 , 75, 916-22	1.8	45
189	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
188	Prospero-related homeobox 1 and liver receptor homolog 1 coordinately regulate long-term proliferation of murine fetal hepatoblasts. <i>Hepatology</i> , 2008 , 48, 252-64	11.2	43

187	Identification of rat Rosa26 locus enables generation of knock-in rat lines ubiquitously expressing tdTomato. <i>Stem Cells and Development</i> , 2012 , 21, 2981-6	4.4	42
186	Dipeptide species regulate p38MAPK-Smad3 signalling to maintain chronic myelogenous leukaemia stem cells. <i>Nature Communications</i> , 2015 , 6, 8039	17.4	40
185	Haematopoietic stem cell self-renewal in vivo and ex vivo. <i>Nature Reviews Genetics</i> , 2020 , 21, 541-554	30.1	39
184	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. <i>Scientific Reports</i> , 2017 , 7, 17472	4.9	39
183	The WAVE2/Abi1 complex differentially regulates megakaryocyte development and spreading: implications for platelet biogenesis and spreading machinery. <i>Blood</i> , 2007 , 110, 3637-47	2.2	39
182	Integrated Stress Response Activity Marks Stem Cells in Normal Hematopoiesis and Leukemia. <i>Cell Reports</i> , 2018 , 25, 1109-1117.e5	10.6	39
181	Quantitative assessment of the stem cell self-renewal capacity. <i>Annals of the New York Academy of Sciences</i> , 2001 , 938, 18-24; discussion 24-5	6.5	38
180	Fetal Hematopoietic Stem Cell Transplantation Fails to Fully Regenerate the B-Lymphocyte Compartment. <i>Stem Cell Reports</i> , 2016 , 6, 137-49	8	36
179	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
178	Roles of histone H3K27 trimethylase Ezh2 in retinal proliferation and differentiation. <i>Developmental Neurobiology</i> , 2015 , 75, 947-60	3.2	36
177	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
176	A chemical probe that labels human pluripotent stem cells. <i>Cell Reports</i> , 2014 , 6, 1165-1174	10.6	34
175	Fc(alpha)/mu receptor is a single gene-family member closely related to polymeric immunoglobulin receptor encoded on Chromosome 1. <i>Immunogenetics</i> , 2001 , 53, 709-11	3.2	34
174	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
173	Potent vaccine therapy with dendritic cells genetically modified by the gene-silencing-resistant retroviral vector GCDNsap. <i>Molecular Therapy</i> , 2006 , 13, 301-9	11.7	33
172	Generation of functional lungs via conditional blastocyst complementation using pluripotent stem cells. <i>Nature Medicine</i> , 2019 , 25, 1691-1698	50.5	32
171	Successful reprogramming of epiblast stem cells by blocking nuclear localization of E-catenin. <i>Stem Cell Reports</i> , 2015 , 4, 103-113	8	31
170	Homeodomain transcription factor Meis1 is a critical regulator of adult bone marrow hematopoiesis. <i>PLoS ONE</i> , 2014 , 9, e87646	3.7	31

169	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
168	Mammalian Transcription Factor Networks: Recent Advances in Interrogating Biological Complexity. <i>Cell Systems</i> , 2017 , 5, 319-331	10.6	28
167	Prospective isolation and characterization of bipotent progenitor cells in early mouse liver development. <i>Stem Cells and Development</i> , 2012 , 21, 1124-33	4.4	27
166	Development of an all-in-one inducible lentiviral vector for gene specific analysis of reprogramming. <i>PLoS ONE</i> , 2012 , 7, e41007	3.7	27
165	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
164	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
163	Generation of Vascular Endothelial Cells and Hematopoietic Cells by Blastocyst Complementation. <i>Stem Cell Reports</i> , 2018 , 11, 988-997	8	26
162	Changing concepts in hematopoietic stem cells. <i>Science</i> , 2018 , 362, 895-896	33.3	25
161	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
160	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 β iPSCs. <i>Molecular Genetics and Metabolism</i> , 2014 , 112, 44-8	3.7	23
159	Down syndrome-associated haematopoiesis abnormalities created by chromosome transfer and genome editing technologies. <i>Scientific Reports</i> , 2014 , 4, 6136	4.9	23
158	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
157	iPSC-Derived Organs In Vivo: Challenges and Promise. <i>Cell Stem Cell</i> , 2018 , 22, 21-24	18	22
156	Compensation of Disabled Organogeneses in Genetically Modified Pig Fetuses by Blastocyst Complementation. <i>Stem Cell Reports</i> , 2020 , 14, 21-33	8	22
155	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
154	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
153	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
152	Growth promotion of genetically modified hematopoietic progenitors using an antibody/c-Mpl chimera. <i>Cytokine</i> , 2011 , 55, 402-8	4	19

151	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
150	Interspecies chimeras. <i>Current Opinion in Genetics and Development</i> , 2018 , 52, 36-41	4.9	19
149	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
148	A new red fluorescent protein that allows efficient marking of murine hematopoietic stem cells. <i>Journal of Gene Medicine</i> , 2008 , 10, 965-71	3.5	18
147	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
146	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
145	Hematopoietic stem cell-independent hematopoiesis and the origins of innate-like B lymphocytes. <i>Development (Cambridge)</i> , 2019 , 146,	6.6	17
144	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
143	Establishment of Clonal Colony-Forming Assay System for Pancreatic Stem/Progenitor Cells. <i>Cell Transplantation</i> , 2002 , 11, 451-453	4	17
142	Long-term ex vivo expansion of mouse hematopoietic stem cells. <i>Nature Protocols</i> , 2020 , 15, 628-648	18.8	17
141	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
140	Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. <i>Cell Stem Cell</i> , 2018 , 22, 713-725.e8	18	16
139	Interspecies chimeras for human stem cell research. <i>Development (Cambridge)</i> , 2017 , 144, 2544-2547	6.6	16
138	Off-the-shelf immunotherapy with iPSC-derived rejuvenated cytotoxic T lymphocytes. <i>Experimental Hematology</i> , 2017 , 47, 2-12	3.1	16
137	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
136	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
135	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
134	Mesenchymal progenitor cells in mouse foetal liver regulate differentiation and proliferation of hepatoblasts. <i>Liver International</i> , 2014 , 34, 1378-90	7.9	15

133	Bone marrow Schwann cells induce hematopoietic stem cell hibernation. <i>International Journal of Hematology</i> , 2014 , 99, 695-8	2.3	15
132	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
131	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
130	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
129	The actin polymerization regulator WAVE2 is required for early bone marrow repopulation by hematopoietic stem cells. <i>Stem Cells</i> , 2009 , 27, 1120-9	5.8	15
128	Efficient scarless genome editing in human pluripotent stem cells. <i>Nature Methods</i> , 2018 , 15, 1045-1047	21.6	15
127	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
126	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
125	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
124	An interspecies barrier to tetraploid complementation and chimera formation. <i>Scientific Reports</i> , 2018 , 8, 15289	4.9	14
123	A retrospective analysis of germline competence in rat embryonic stem cell lines. <i>Transgenic Research</i> , 2013 , 22, 411-6	3.3	13
122	Lessons from Interspecies Mammalian Chimeras. <i>Annual Review of Cell and Developmental Biology</i> , 2017 , 33, 203-217	12.6	13
121	Increased cell surface expression of C-terminal truncated erythropoietin receptors in polycythemia. <i>European Journal of Haematology</i> , 2001 , 67, 88-93	3.8	13
120	Clonogenic colony-forming ability of flow cytometrically isolated hepatic progenitor cells in the murine fetal liver. <i>Cell Transplantation</i> , 2000 , 9, 697-700	4	13
119	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
118	Isolation and clonal characterization of hematopoietic and liver stem cells. <i>Cornea</i> , 2004 , 23, S2-7	3.1	12
117	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
116	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

115	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
114	Lift NIH restrictions on chimera research. <i>Science</i> , 2015 , 350, 640	33.3	11
113	Germline development in rat revealed by visualization and deletion of. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	11
112	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
111	The TIF1 β HP1 system maintains transcriptional integrity of hematopoietic stem cells. <i>Stem Cell Reports</i> , 2014 , 2, 145-52	8	11
110	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
109	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
108	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
107	The basic helix-loop-helix transcription factor, Mist1, induces maturation of mouse fetal hepatoblasts. <i>Scientific Reports</i> , 2015 , 5, 14989	4.9	10
106	In vitro expansion and functional recovery of mature hepatocytes from mouse adult liver. <i>Liver International</i> , 2012 , 32, 592-601	7.9	10
105	Pertussis toxin can replace T cell receptor signals that induce positive selection of CD8 T cells. <i>European Journal of Immunology</i> , 1997 , 27, 3318-31	6.1	10
104	Characterization of the mouse interleukin-13 receptor alpha1 gene. <i>Immunogenetics</i> , 2000 , 51, 974-81	3.2	10
103	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
102	Sustainable Tumor-Suppressive Effect of iPSC-Derived Rejuvenated T Cells Targeting Cervical Cancers. <i>Molecular Therapy</i> , 2020 , 28, 2394-2405	11.7	9
101	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
100	Recipient-derived cells after cord blood transplantation: dynamics elucidated by multicolor FACS, reflecting graft failure and relapse. <i>Biology of Blood and Marrow Transplantation</i> , 2008 , 14, 693-701	4.7	9
99	CD3-induced apoptosis of CD4 ⁺ CD8 ⁺ thymocytes in the absence of clonotypic T cell antigen receptor. <i>European Journal of Immunology</i> , 1996 , 26, 1012-7	6.1	9
98	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

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