Hiromitsu Nakauchi

List of Publications by Year
in descending order

264 papers	21,841 citations	17405 63 h-index	10127 140 g-index
273 all docs	273 docs citations	273 times ranked	24407 citing authors

#	Article	IF	Citations
1	The ABC transporter Bcrp1/ABCG2 is expressed in a wide variety of stem cells and is a molecular determinant of the side-population phenotype. Nature Medicine, 2001, 7, 1028-1034.	15.2	2,145
2	Frequent pathway mutations of splicing machinery in myelodysplasia. Nature, 2011, 478, 64-69.	13.7	1,764
3	Foxo3a Is Essential for Maintenance of the Hematopoietic Stem Cell Pool. Cell Stem Cell, 2007, 1, 101-112.	5.2	780
4	Nonmyelinating Schwann Cells Maintain Hematopoietic Stem Cell Hibernation in the Bone Marrow Niche. Cell, 2011, 147, 1146-1158.	13.5	654
5	Age-Associated Characteristics of Murine Hematopoietic Stem Cells. Journal of Experimental Medicine, 2000, 192, 1273-1280.	4.2	638
6	Side population purified from hepatocellular carcinoma cells harbors cancer stem cell-like properties. Hepatology, 2006, 44, 240-251.	3.6	621
7	Clonal Analysis Unveils Self-Renewing Lineage-Restricted Progenitors Generated Directly from Hematopoietic Stem Cells. Cell, 2013, 154, 1112-1126.	13.5	577
8	Generation of Rat Pancreas in Mouse by Interspecific Blastocyst Injection of Pluripotent Stem Cells. Cell, 2010, 142, 787-799.	13.5	494
9	Enhanced Self-Renewal of Hematopoietic Stem Cells Mediated by the Polycomb Gene Product Bmi-1. Immunity, 2004, 21, 843-851.	6.6	486
10	Vascularized and Complex Organ Buds from Diverse Tissues via Mesenchymal Cell-Driven Condensation. Cell Stem Cell, 2015, 16, 556-565.	5.2	372
11	Heterogeneity and hierarchy within the most primitive hematopoietic stem cell compartment. Journal of Experimental Medicine, 2010, 207, 1173-1182.	4.2	362
12	Expansion of hematopoietic stem cells in the developing liver of a mouse embryo. Blood, 2000, 95, 2284-2288.	0.6	350
13	FcÎ±/Î¼ receptor mediates endocytosis of IgM-coated microbes. Nature Immunology, 2000, 1, 441-446.	7.0	346
14	Clonal identification and characterization of self-renewing pluripotent stem cells in the developing liver. Journal of Cell Biology, 2002, 156, 173-184.	2.3	343
15	Generation of Rejuvenated Antigen-Specific T Cells by Reprogramming to Pluripotency and Redifferentiation. Cell Stem Cell, 2013, 12, 114-126.	5.2	327
16	Development of Defective and Persistent Sendai Virus Vector. Journal of Biological Chemistry, 2011, 286, 4760-4771.	1.6	312
17	Presence of hematopoietic stem cells in the adult liver. Nature Medicine, 1996, 2, 198-203.	15.2	308
18	Generation of functional platelets from human embryonic stem cells in vitro via ES-sacs, VEGF-promoted structures that concentrate hematopoietic progenitors. Blood, 2008, 111, 5298-5306.	0.6	282

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19	Expandable Megakaryocyte Cell Lines Enable Clinically Applicable Generation of Platelets from Human Induced Pluripotent Stem Cells. Cell Stem Cell, 2014, 14, 535-548.	5.2	275
20	Hoxb5 marks long-term haematopoietic stem cells and reveals a homogenous perivascular niche. Nature, 2016, 530, 223-227.	13.7	275
21	In Vitro Self-Renewal Division of Hematopoietic Stem Cells. Journal of Experimental Medicine, 2000, 192, 1281-1288.	4.2	269
22	TGF-Î² as a candidate bone marrow niche signal to induce hematopoietic stem cell hibernation. Blood, 2009, 113, 1250-1256.	0.6	269
23	Flow-cytometric separation and enrichment of hepatic progenitor cells in the developing mouse liver. Hepatology, 2000, 32, 1230-1239.	3.6	267
24	Long-term ex vivo haematopoietic-stem-cell expansion allows nonconditioned transplantation. Nature, 2019, 571, 117-121.	13.7	249
25	Interspecies organogenesis generates autologous functional islets. Nature, 2017, 542, 191-196.	13.7	238
26	Cytokine signals modulated via lipid rafts mimic niche signals and induce hibernation in hematopoietic stem cells. EMBO Journal, 2006, 25, 3515-3523.	3.5	237
27	Blastocyst complementation generates exogenic pancreas in vivo in apancreatic cloned pigs. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 4557-4562.	3.3	232
28	Establishment of mouse expanded potential stem cells. Nature, 2017, 550, 393-397.	13.7	223
29	CD226 (DNAM-1) Is Involved in Lymphocyte Functionâ€“associated Antigen 1 Costimulatory Signal for Naive T Cell Differentiation and Proliferation. Journal of Experimental Medicine, 2003, 198, 1829-1839.	4.2	217
30	Differential impact of Ink4a and Arf on hematopoietic stem cells and their bone marrow microenvironment in Bmi1-deficient mice. Journal of Experimental Medicine, 2006, 203, 2247-2253.	4.2	216
31	Enhanced Self-Renewal Capability in Hepatic Stem/Progenitor Cells Drives Cancer Initiation. Gastroenterology, 2007, 133, 937-950.	0.6	190
32	Generation of Engraftable Hematopoietic Stem Cells From Induced Pluripotent Stem Cells by Way of Teratoma Formation. Molecular Therapy, 2013, 21, 1424-1431.	3.7	186
33	Asymmetric Division and Lineage Commitment at the Level of Hematopoietic Stem Cells. Journal of Experimental Medicine, 2004, 199, 295-302.	4.2	179
34	Sal-like protein 4 (SALL4), a stem cell biomarker in liver cancers. Hepatology, 2013, 57, 1469-1483.	3.6	171
35	Quantification of Self-Renewal Capacity in Single Hematopoietic Stem Cells from Normal and Lnk-Deficient Mice. Developmental Cell, 2005, 8, 907-914.	3.1	170
36	Adult mouse hematopoietic stem cells: purification and single-cell assays. Nature Protocols, 2006, 1, 2979-2987.	5.5	164

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37	Comparison of mesenchymal stem cells derived from arterial, venous, and Whartonâ€™s jelly explants of human umbilical cord. International Journal of Hematology, 2009, 90, 261-269.	0.7	159
38	Depleting dietary valine permits nonmyeloablative mouse hematopoietic stem cell transplantation. Science, 2016, 354, 1152-1155.	6.0	147
39	Highly Efficient and Marker-free Genome Editing of Human Pluripotent Stem Cells by CRISPR-Cas9 RNP and AAV6 Donor-Mediated Homologous Recombination. Cell Stem Cell, 2019, 24, 821-828.e5.	5.2	135
40	Stem cells and interspecies chimaeras. Nature, 2016, 540, 51-59.	13.7	134
41	Lnk negatively regulates self-renewal of hematopoietic stem cells by modifying thrombopoietin-mediated signal transduction. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 2349-2354.	3.3	133
42	Large-Scale Clonal Analysis Resolves Aging of the Mouse Hematopoietic Stem Cell Compartment. Cell Stem Cell, 2018, 22, 600-607.e4.	5.2	132
43	Macrophage Exosomes Resolve Atherosclerosis by Regulating Hematopoiesis and Inflammation via MicroRNA Cargo. Cell Reports, 2020, 32, 107881.	2.9	130
44	Acid sphingomyelinase modulates the autophagic process by controlling lysosomal biogenesis in Alzheimerâ€™s disease. Journal of Experimental Medicine, 2014, 211, 1551-1570.	4.2	128
45	Erythroid expansion mediated by the Gfi-1B zinc finger protein: role in normal hematopoiesis. Blood, 2002, 100, 2769-2777.	0.6	120
46	Developmental Epigenetic Modification Regulates Stochastic Expression of Clustered Protocadherin Genes, Generating Single Neuron Diversity. Neuron, 2014, 82, 94-108.	3.8	120
47	Haematopoietic stem cell self-renewal in vivo and ex vivo. Nature Reviews Genetics, 2020, 21, 541-554.	7.7	118
48	Revisiting the Flight of Icarus: Making Human Organs from PSCs with Large Animal Chimeras. Cell Stem Cell, 2014, 15, 406-409.	5.2	108
49	A novel Fc receptor for IgA and IgM is expressed on both hematopoietic and non-hematopoietic tissues. European Journal of Immunology, 2001, 31, 1310-1316.	1.6	102
50	Fail-Safe System against Potential Tumorigenicity after Transplantation of iPSC Derivatives. Stem Cell Reports, 2017, 8, 673-684.	2.3	99
51	Sall4 Regulates Cell Fate Decision in Fetal Hepatic Stem/Progenitor Cells. Gastroenterology, 2009, 136, 1000-1011.	0.6	98
52	Enrichment and Clonal Culture of Progenitor Cells During Mouse Postnatal Liver Development in Mice. Gastroenterology, 2009, 137, 1114-1126.e14.	0.6	95
53	Human iPS derived progenitors bioengineered into liver organoids using an inverted colloidal crystal poly (ethylene glycol) scaffold. Biomaterials, 2018, 182, 299-311.	5.7	93
54	Inhibition of Apoptosis Overcomes Stage-Related Compatibility Barriers to Chimera Formation in Mouse Embryos. Cell Stem Cell, 2016, 19, 587-592.	5.2	92

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55	Generation of pluripotent stem cell-derived mouse kidneys in Sall1-targeted anephric rats. Nature Communications, 2019, 10, 451.	5.8	90
56	Integrated Stress Response Activity Marks Stem Cells in Normal Hematopoiesis and Leukemia. Cell Reports, 2018, 25, 1109-1117.e5.	2.9	88
57	Single cell analysis of human foetal liver captures the transcriptional profile of hepatobiliary hybrid progenitors. Nature Communications, 2019, 10, 3350.	5.8	82
58	Stepwise Differentiation of Pluripotent Stem Cells into Osteoblasts Using Four Small Molecules under Serum-free and Feeder-free Conditions. Stem Cell Reports, 2014, 2, 751-760.	2.3	80
59	Comparison of Hematopoietic Activities of Human Bone Marrow and Umbilical Cord Blood CD34 Positive and Negative Cells. Stem Cells, 1999, 17, 286-294.	1.4	73
60	Immortalization of Erythroblasts by c-MYC and BCL-XL Enables Large-Scale Erythrocyte Production from Human Pluripotent Stem Cells. Stem Cell Reports, 2013, 1, 499-508.	2.3	72
61	Evidence for Hepatocyte Differentiation from Embryonic Stem Cells In Vitro. Cell Transplantation, 2002, 11, 429-434.	1.2	69
62	Generation of functional lungs via conditional blastocyst complementation using pluripotent stem cells. Nature Medicine, 2019, 25, 1691-1698.	15.2	69
63	Cas9-AAV6 gene correction of beta-globin in autologous HSCs improves sickle cell disease erythropoiesis in mice. Nature Communications, 2021, 12, 686.	5.8	67
64	Generation of Germline-Competent Rat Induced Pluripotent Stem Cells. PLoS ONE, 2011, 6, e22008.	1.1	67
65	An In Vitro Expansion System for Generation of Human iPS Cell-Derived Hepatic Progenitor-Like Cells Exhibiting a Bipotent Differentiation Potential. PLoS ONE, 2013, 8, e67541.	1.1	66
66	Targeted Organ Generation UsingMixl1-Inducible Mouse Pluripotent Stem Cells in Blastocyst Complementation. Stem Cells and Development, 2015, 24, 182-189.	1.1	66
67	Physiological Srsf2 P95H expression causes impaired hematopoietic stem cell functions and aberrant RNA splicing in mice. Blood, 2018, 131, 621-635.	0.6	64
68	The Proportion of Fetal Nucleated Red Blood Cells in Maternal Blood: Stimation by FACS Analysis. Prenatal Diagnosis, 1997, 17, 743-752.	1.1	63
69	Integrin-Î±vÎ²3 regulates thrombopoietin-mediated maintenance of hematopoietic stem cells. Blood, 2012, 119, 83-94.	0.6	63
70	A Safeguard System for Induced Pluripotent Stem Cell-Derived Rejuvenated T Cell Therapy. Stem Cell Reports, 2015, 5, 597-608.	2.3	61
71	Setdb1 maintains hematopoietic stem and progenitor cells by restricting the ectopic activation of nonhematopoietic genes. Blood, 2016, 128, 638-649.	0.6	61
72	CRISPR/Cas9 microinjection in oocytes disables pancreas development in sheep. Scientific Reports, 2017, 7, 17472.	1.6	61

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73	Hepatic stem/progenitor cells and stem-cell transplantation for the treatment of liver disease. Journal of Gastroenterology, 2009, 44, 167-172.	2.3	57
74	Analyses of cell surface molecules on hepatic stem/progenitor cells in mouse fetal liver. Journal of Hepatology, 2009, 51, 127-138.	1.8	57
75	Fetal Hematopoietic Stem Cell Transplantation Fails to Fully Regenerate the B-Lymphocyte Compartment. Stem Cell Reports, 2016, 6, 137-149.	2.3	57
76	Intra-embryo Gene Cassette Knockin by CRISPR/Cas9-Mediated Genome Editing with Adeno-Associated Viral Vector. IScience, 2018, 9, 286-297.	1.9	55
77	Long-term ex vivo expansion of mouse hematopoietic stem cells. Nature Protocols, 2020, 15, 628-648.	5.5	55
78	Mammalian Transcription Factor Networks: Recent Advances in Interrogating Biological Complexity. Cell Systems, 2017, 5, 319-331.	2.9	54
79	Generation of Vascular Endothelial Cells and Hematopoietic Cells by Blastocyst Complementation. Stem Cell Reports, 2018, 11, 988-997.	2.3	54
80	Interspecific in vitro assay for the chimera-forming ability of human pluripotent stem cells. Development (Cambridge), 2015, 142, 3222-30.	1.2	53
81	Successful multilineage engraftment of human cord blood cells in pigs after in utero transplantation. Transplantation, 2003, 75, 916-922.	0.5	52
82	Dipeptide species regulate p38MAPKâ€“Smad3 signalling to maintain chronic myelogenous leukaemia stem cells. Nature Communications, 2015, 6, 8039.	5.8	52
83	Identification of Rat Rosa26 Locus Enables Generation of Knock-In Rat Lines Ubiquitously Expressing tdTomato. Stem Cells and Development, 2012, 21, 2981-2986.	1.1	51
84	Prospero-related homeobox 1 and liver receptor homolog 1 coordinately regulate long-term proliferation of murine fetal hepatoblasts. Hepatology, 2008, 48, 252-264.	3.6	47
85	Roles of histone <scp>H3K27</scp> trimethylase <scp>E</scp>zh2 in retinal proliferation and differentiation. Developmental Neurobiology, 2015, 75, 947-960.	1.5	45
86	Compensation of Disabled Organogeneses in Genetically Modified Pig Fetuses by Blastocyst Complementation. Stem Cell Reports, 2020, 14, 21-33.	2.3	45
87	Treatment of a genetic brain disease by CNS-wide microglia replacement. Science Translational Medicine, 2022, 14, eabl9945.	5.8	45
88	Homeodomain Transcription Factor Meis1 Is a Critical Regulator of Adult Bone Marrow Hematopoiesis. PLoS ONE, 2014, 9, e87646.	1.1	43
89	Hematopoietic stem cell-independent hematopoiesis and the origins of innate-like B lymphocytes. Development (Cambridge), 2019, 146, .	1.2	43
90	The WAVE2/Abi1 complex differentially regulates megakaryocyte development and spreading: implications for platelet biogenesis and spreading machinery. Blood, 2007, 110, 3637-3647.	0.6	42

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91	A Chemical Probe that Labels Human Pluripotent Stem Cells. Cell Reports, 2014, 6, 1165-1174.	2.9	42
92	Human induced pluripotent stem cell-derived hepatic cell lines as a new model for host interaction with hepatitis B virus. Scientific Reports, 2016, 6, 29358.	1.6	42
93	Quantitative Assessment of the Stem Cell SelfâEŘenewal Capacity. Annals of the New York Academy of Sciences, 2001, 938, 18-25.	1.8	40
94	Changing concepts in hematopoietic stem cells. Science, 2018, 362, 895-896.	6.0	38
95	Tracing the emergence of primordial germ cells from bilaminar disc rabbit embryos and pluripotent stem cells. Cell Reports, 2021, 37, 109812.	2.9	37
96	FcÎ±/Âµ receptor is a single gene-family member closely related to polymeric immunoglobulin receptor encoded on Chromosome 1. Immunogenetics, 2001, 53, 709-711.	1.2	35
97	Generation of Recombination Activating Gene-1-Deficient Neonatal Piglets: A Model of T and B Cell Deficient Severe Combined Immune Deficiency. PLoS ONE, 2014, 9, e113833.	1.1	35
98	Spatiotemporal Reconstruction of the Human Blastocyst by Single-Cell Gene-Expression Analysis Informs Induction of Naive Pluripotency. Developmental Cell, 2016, 38, 100-115.	3.1	35
99	Establishment of high reciprocal connectivity between clonal cortical neurons is regulated by the Dnmt3b DNA methyltransferase and clustered protocadherins. BMC Biology, 2016, 14, 103.	1.7	35
100	Pluripotent stem cells related to embryonic disc exhibit common self-renewal requirements in diverse livestock species. Development (Cambridge), 2021, 148, .	1.2	35
101	Stage-Specific Roles for Cxcr4 Signaling in Murine Hematopoietic Stem/Progenitor Cells in the Process of Bone Marrow Repopulation. Stem Cells, 2014, 32, 1929-1942.	1.4	34
102	Transition of differential histone H3 methylation in photoreceptors and other retinal cells during retinal differentiation. Scientific Reports, 2016, 6, 29264.	1.6	34
103	Generation of Functional Organs Using a Cell-Competitive Niche in Intra- and Inter-species Rodent Chimeras. Cell Stem Cell, 2021, 28, 141-149.e3.	5.2	34
104	Potent Vaccine Therapy with Dendritic Cells Genetically Modified by the Gene-Silencing-Resistant Retroviral Vector GCDNsap. Molecular Therapy, 2006, 13, 301-309.	3.7	33
105	Spred1 Safeguards Hematopoietic Homeostasis against Diet-Induced Systemic Stress. Cell Stem Cell, 2018, 22, 713-725.e8.	5.2	33
106	Successful Reprogramming of Epiblast Stem Cells by Blocking Nuclear Localization of Î²-Catenin. Stem Cell Reports, 2015, 4, 103-113.	2.3	32
107	An All-Recombinant Protein-Based Culture System Specifically Identifies Hematopoietic Stem Cell Maintenance Factors. Stem Cell Reports, 2017, 8, 500-508.	2.3	32
108	Prospective Isolation and Characterization of Bipotent Progenitor Cells in Early Mouse Liver Development. Stem Cells and Development, 2012, 21, 1124-1133.	1.1	31

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109	Interspecies chimeras. Current Opinion in Genetics and Development, 2018, 52, 36-41.	1.5	31
110	Simple and Robust Differentiation of Human Pluripotent Stem Cells toward Chondrocytes by Two Small-Molecule Compounds. Stem Cell Reports, 2019, 13, 530-544.	2.3	31
111	Development of an All-in-One Inducible Lentiviral Vector for Gene Specific Analysis of Reprogramming. PLoS ONE, 2012, 7, e41007.	1.1	30
112	Efficient scarless genome editing in human pluripotent stem cells. Nature Methods, 2018, 15, 1045-1047.	9.0	30
113	Branched-chain amino acid depletion conditions bone marrow for hematopoietic stem cell transplantation avoiding amino acid imbalance-associated toxicity. Experimental Hematology, 2018, 63, 12-16.e1.	0.2	30
114	Blastocyst complementation using Prdm14-deficient rats enables efficient germline transmission and generation of functional mouse spermatids in rats. Nature Communications, 2021, 12, 1328.	5.8	30
115	InÂVivo Generation of Engraftable Murine Hematopoietic Stem Cells by Gfi1b, c-Fos, and Gata2 Overexpression within Teratoma. Stem Cell Reports, 2017, 9, 1024-1033.	2.3	29
116	Down syndrome-associated haematopoiesis abnormalities created by chromosome transfer and genome editing technologies. Scientific Reports, 2014, 4, 6136.	1.6	28
117	iPSC-Derived Organs InÂVivo: Challenges and Promise. Cell Stem Cell, 2018, 22, 21-24.	5.2	28
118	Functional primordial germ cellâ€“like cells from pluripotent stem cells in rats. Science, 2022, 376, 176-179.	6.0	28
119	Modeling lethal X-linked genetic disorders in pigs with ensured fertility. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 708-713.	3.3	27
120	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-Î±-glucosidase in Pompe's iPSCs. Molecular Genetics and Metabolism, 2014, 112, 44-48.	0.5	26
121	High glucose macrophage exosomes enhance atherosclerosis by driving cellular proliferation & hematopoiesis. IScience, 2021, 24, 102847.	1.9	26
122	An interspecies barrier to tetraploid complementation and chimera formation. Scientific Reports, 2018, 8, 15289.	1.6	25
123	Establishment of Clonal Colony-Forming Assay System for Pancreatic Stem/Progenitor Cells. Cell Transplantation, 2002, 11, 451-453.	1.2	24
124	Growth promotion of genetically modified hematopoietic progenitors using an antibody/c-Mpl chimera. Cytokine, 2011, 55, 402-408.	1.4	24
125	Generation of transgenic mouse line expressing Kusabira Orange throughout body, including erythrocytes, by random segregation of provirus method. Biochemical and Biophysical Research Communications, 2013, 435, 586-591.	1.0	24
126	Gene Targeting Study Reveals Unexpected Expression of Brain-expressed X-linked 2 in Endocrine and Tissue Stem/Progenitor Cells in Mice. Journal of Biological Chemistry, 2014, 289, 29892-29911.	1.6	24

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127	Interspecies chimeras for human stem cell research. Development (Cambridge), 2017, 144, 2544-2547.	1.2	24
128	Mosaicism diminishes the value of pre-implantation embryo biopsies for detecting CRISPR/Cas9 induced mutations in sheep. Transgenic Research, 2018, 27, 525-537.	1.3	24
129	Using patient-derived iPSCs to develop humanized mouse models for chronic myelomonocytic leukemia and therapeutic drug identification, including liposomal clodronate. Scientific Reports, 2018, 8, 15855.	1.6	24
130	Pre-Transplantation Blockade of TNF-Î±-Mediated Oxygen Species Accumulation Protects Hematopoietic Stem Cells. Stem Cells, 2017, 35, 989-1002.	1.4	23
131	A Comprehensive System for Generation and Evaluation of Induced Pluripotent Stem Cells Using piggyBac Transposition. PLoS ONE, 2014, 9, e92973.	1.1	23
132	Generation of induced pluripotent stem cells derived from primary and secondary myelofibrosis patient samples. Experimental Hematology, 2014, 42, 816-825.	0.2	22
133	Continuous cell supply from Krt7-expressing hematopoietic stem cells during native hematopoiesis revealed by targeted in vivo gene transfer method. Scientific Reports, 2017, 7, 40684.	1.6	22
134	â€˜Off-the-shelfâ€™ immunotherapy with iPSC-derived rejuvenated cytotoxic TÂlymphocytes. Experimental Hematology, 2017, 47, 2-12.	0.2	22
135	Immunological barriers to haematopoietic stem cell gene therapy. Nature Reviews Immunology, 2022, 22, 719-733.	10.6	22
136	Multicolor Staining of Globin Subtypes Reveals Impaired Globin Switching During Erythropoiesis in Human Pluripotent Stem Cells. Stem Cells Translational Medicine, 2014, 3, 792-800.	1.6	21
137	Lessons from Interspecies Mammalian Chimeras. Annual Review of Cell and Developmental Biology, 2017, 33, 203-217.	4.0	21
138	Cell Adhesion Minimization by a Novel Mesh Culture Method Mechanically Directs Trophoblast Differentiation and Self-Assembly Organization of Human Pluripotent Stem Cells. Tissue Engineering - Part C: Methods, 2015, 21, 1105-1115.	1.1	20
139	ISSCR guidelines for the transfer of human pluripotent stem cells and their direct derivatives into animal hosts. Stem Cell Reports, 2021, 16, 1409-1415.	2.3	20
140	Dual-antigen targeted iPSC-derived chimeric antigen receptor-T cell therapy for refractory lymphoma. Molecular Therapy, 2022, 30, 534-549.	3.7	20
141	A new red fluorescent protein that allows efficient marking of murine hematopoietic stem cells. Journal of Gene Medicine, 2008, 10, 965-971.	1.4	19
142	Mesenchymal progenitor cells in mouse foetal liver regulate differentiation and proliferation of hepatoblasts. Liver International, 2014, 34, 1378-1390.	1.9	19
143	Bone marrow Schwann cells induce hematopoietic stem cell hibernation. International Journal of Hematology, 2014, 99, 695-698.	0.7	19
144	T-cellâ€“restricted T-bet overexpression induces aberrant hematopoiesis of myeloid cells and impairs function of macrophages in the lung. Blood, 2015, 125, 370-382.	0.6	19

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145	Screening of Drugs to Treat 8p11 Myeloproliferative Syndrome Using Patient-Derived Induced Pluripotent Stem Cells with Fusion Gene CEP110-FGFR1. PLoS ONE, 2015, 10, e0120841.	1.1	19
146	Application of Droplet Digital PCR for Estimating Vector Copy Number States in Stem Cell Gene Therapy. Human Gene Therapy Methods, 2016, 27, 197-208.	2.1	19
147	Analysis of MÃ¼ller glia specific genes and their histone modification using Hes1-promoter driven EGFP expressing mouse. Scientific Reports, 2017, 7, 3578.	1.6	19
148	Novel TPO receptor agonist TA-316 contributes to platelet biogenesis from human iPS cells. Blood Advances, 2017, 1, 468-476.	2.5	19
149	Sustainable Tumor-Suppressive Effect of iPSC-Derived Rejuvenated T Cells Targeting Cervical Cancers. Molecular Therapy, 2020, 28, 2394-2405.	3.7	19
150	Germline development in rat revealed by visualization and deletion of Prdm14. Development (Cambridge), 2020, 147, .	1.2	19
151	Practical selection methods for rat and mouse round spermatids without DNA staining by flow cytometric cell sorting. Molecular Reproduction and Development, 2016, 83, 488-496.	1.0	18
152	Loss of fibrocystin promotes interleukin-8-dependent proliferation and CTGF production of biliary epithelium. Journal of Hepatology, 2019, 71, 143-152.	1.8	18
153	Stabilizing hematopoietic stem cells in vitro. Current Opinion in Genetics and Development, 2020, 64, 1-5.	1.5	18
154	Lift NIH restrictions on chimera research. Science, 2015, 350, 640-640.	6.0	17
155	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 in vivo. Haematologica, 2020, 105, 796-807.	1.7	17
156	Clonogenic Colony-Forming Ability of Flow Cytometrically Isolated Hepatic Progenitor Cells in the Murine Fetal Liver. Cell Transplantation, 2000, 9, 697-700.	1.2	16
157	The Actin Polymerization Regulator WAVE2 Is Required for Early Bone Marrow Repopulation by Hematopoietic Stem Cells. Stem Cells, 2009, 27, 1120-1129.	1.4	16
158	Enzyme augmentation therapy enhances the therapeutic efficacy of bone marrow transplantation in mucopolysaccharidosis type II mice. Molecular Genetics and Metabolism, 2014, 111, 139-146.	0.5	16
159	Hedgehog Activation Regulates Human Osteoblastogenesis. Stem Cell Reports, 2020, 15, 125-139.	2.3	16
160	A Comparison of the Rest Complex Binding Patterns in Embryonic Stem Cells and Epiblast Stem Cells. PLoS ONE, 2014, 9, e95374.	1.1	15
161	Increased cell surface expression of C -terminal truncated erythropoietin receptors in polycythemia. European Journal of Haematology, 2001, 67, 88-93.	1.1	14
162	A retrospective analysis of germline competence in rat embryonic stem cell lines. Transgenic Research, 2013, 22, 411-416.	1.3	14

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163	Non-myeloablative preconditioning with ACK2 (anti-c-kit antibody) is efficient in bone marrow transplantation for murine models of mucopolysaccharidosis type II. Molecular Genetics and Metabolism, 2016, 119, 232-238.	0.5	14
164	Stepwise strategy for generating osteoblasts from human pluripotent stem cells under fully defined xeno-free conditions with small-molecule inducers. Regenerative Therapy, 2020, 14, 19-31.	1.4	14
165	Hematopoietic Stem Cells in the Mouse Spleen. Blood, 2008, 112, 2421-2421.	0.6	14
166	Isolation and Clonal Characterization of Hematopoietic and Liver Stem Cells. Cornea, 2004, 23, S2-S7.	0.9	13
167	The TIF1Î²-HP1 System Maintains Transcriptional Integrity of Hematopoietic Stem Cells. Stem Cell Reports, 2014, 2, 145-152.	2.3	13
168	A Novel Mouse Model of iNKT Cell-deficiency Generated by CRISPR/Cas9 Reveals a Pathogenic Role of iNKT Cells in Metabolic Disease. Scientific Reports, 2017, 7, 12765.	1.6	13
169	Generation of HIV-Resistant Macrophages from IPSCs by Using Transcriptional Gene Silencing and Promoter-Targeted RNA. Molecular Therapy - Nucleic Acids, 2018, 12, 793-804.	2.3	13
170	LIM homeobox 2 promotes interaction between human iPS-derived hepatic progenitors and iPS-derived hepatic stellate-like cells. Scientific Reports, 2019, 9, 2072.	1.6	13
171	Use of polyvinyl alcohol for chimeric antigen receptor T-cell expansion. Experimental Hematology, 2019, 80, 16-20.	0.2	13
172	Generation of Antigen-Specific T Cells from Human Induced Pluripotent Stem Cells. Methods in Molecular Biology, 2019, 1899, 25-40.	0.4	13
173	Biological Analysis of SRSF2 Mutations in Leukemogenesis. Blood, 2012, 120, 1282-1282.	0.6	13
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