

# Catherine M Verfaillie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1227722/publications.pdf>

Version: 2024-02-01

356  
papers

28,099  
citations

9756

73  
h-index

6282

158  
g-index

407  
all docs

407  
docs citations

407  
times ranked

26982  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pluripotency of mesenchymal stem cells derived from adult marrow. <i>Nature</i> , 2002, 418, 41-49.	13.7	5,284
2	Purification and ex vivo expansion of postnatal human marrow mesodermal progenitor cells. <i>Blood</i> , 2001, 98, 2615-2625.	0.6	1,122
3	Origin of endothelial progenitors in human postnatal bone marrow. <i>Journal of Clinical Investigation</i> , 2002, 109, 337-346.	3.9	847
4	Transplantation of 2 partially HLA-matched umbilical cord blood units to enhance engraftment in adults with hematologic malignancy. <i>Blood</i> , 2005, 105, 1343-1347.	0.6	824
5	Multipotent progenitor cells can be isolated from postnatal murine bone marrow, muscle, and brain. <i>Experimental Hematology</i> , 2002, 30, 896-904.	0.2	802
6	Multipotent adult progenitor cells from bone marrow differentiate into functional hepatocyte-like cells. <i>Journal of Clinical Investigation</i> , 2002, 109, 1291-1302.	3.9	783
7	Human Bone Marrow Stem Cells Exhibit Neural Phenotypes and Ameliorate Neurological Deficits after Grafting into the Ischemic Brain of Rats. <i>Experimental Neurology</i> , 2002, 174, 11-20.	2.0	728
8	Multipotent adult progenitor cells from bone marrow differentiate into functional hepatocyte-like cells. <i>Journal of Clinical Investigation</i> , 2002, 109, 1291-1302.	3.9	444
9	Origin of endothelial progenitors in human postnatal bone marrow. <i>Journal of Clinical Investigation</i> , 2002, 109, 337-346.	3.9	433
10	Mesenchymal Stem Cells Migration Homing and Tracking. <i>Stem Cells International</i> , 2013, 2013, 1-8.	1.2	328
11	Neuroectodermal differentiation from mouse multipotent adult progenitor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003, 100, 11854-11860.	3.3	327
12	Evidence for an alternative fatty acid desaturation pathway increasing cancer plasticity. <i>Nature</i> , 2019, 566, 403-406.	13.7	326
13	Proline metabolism supports metastasis formation and could be inhibited to selectively target metastasizing cancer cells. <i>Nature Communications</i> , 2017, 8, 15267.	5.8	297
14	Adult stem cells: assessing the case for pluripotency. <i>Trends in Cell Biology</i> , 2002, 12, 502-508.	3.6	296
15	Characterization of Multipotent Adult Progenitor Cells, a Subpopulation of Mesenchymal Stem Cells. <i>Annals of the New York Academy of Sciences</i> , 2001, 938, 231-235.	1.8	296
16	HDAC6 inhibition reverses axonal transport defects in motor neurons derived from FUS-ALS patients. <i>Nature Communications</i> , 2017, 8, 861.	5.8	275
17	A role for extrarenal cells in the regeneration following acute renal failure. <i>Kidney International</i> , 2002, 62, 1285-1290.	2.6	264
18	Isolation and Characterization of Kidney-Derived Stem Cells. <i>Journal of the American Society of Nephrology: JASN</i> , 2006, 17, 3028-3040.	3.0	261

#	ARTICLE	IF	CITATIONS
19	Purified primitive human hematopoietic progenitor cells with long-term in vitro repopulating capacity adhere selectively to irradiated bone marrow stroma.. Journal of Experimental Medicine, 1990, 172, 509-502.	4.2	256
20	Laser-guided direct writing for three-dimensional tissue engineering. Biotechnology and Bioengineering, 2005, 92, 129-136.	1.7	249
21	Bioenergetic and Functional Consequences of Bone Marrowâ€Derived Multipotent Progenitor Cell Transplantation in Hearts With Postinfarction Left Ventricular Remodeling. Circulation, 2007, 115, 1866-1875.	1.6	248
22	Self-renewal and differentiation capacity of young and aged stem cells. Experimental Cell Research, 2008, 314, 1937-1944.	1.2	246
23	Distinct Genomic Integration of MLV and SIV Vectors in Primate Hematopoietic Stem and Progenitor Cells. PLoS Biology, 2004, 2, e423.	2.6	243
24	Differentiation of primitive human multipotent hematopoietic progenitors into single lineage clonogenic progenitors is accompanied by alterations in their interaction with fibronectin.. Journal of Experimental Medicine, 1991, 174, 693-703.	4.2	213
25	Breast cancer cells rely on environmental pyruvate to shape the metastatic niche. Nature, 2019, 568, 117-121.	13.7	213
26	Stem cell plasticity. Blood Reviews, 2005, 19, 29-38.	2.8	206
27	Identification of genes responsible for osteoblast differentiation from human mesodermal progenitor cells. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 3305-3310.	3.3	205
28	Stem cells for ischemic brain injury: A critical review. Journal of Comparative Neurology, 2009, 515, 125-144.	0.9	195
29	Immunological characteristics of human mesenchymal stem cells and multipotent adult progenitor cells. Immunology and Cell Biology, 2013, 91, 32-39.	1.0	190
30	The molecular repertoire of the 'almighty' stem cell. Nature Reviews Molecular Cell Biology, 2005, 6, 726-737.	16.1	183
31	Efficient Transfection of Embryonic and Adult Stem Cells. Stem Cells, 2004, 22, 531-543.	1.4	182
32	Stem-cell-derived human microglia transplanted in mouse brain to study human disease. Nature Neuroscience, 2019, 22, 2111-2116.	7.1	176
33	Generation of Hepatic Stellate Cells from Human Pluripotent Stem Cells Enables InÂVitro Modeling of Liver Fibrosis. Cell Stem Cell, 2018, 23, 101-113.e7.	5.2	170
34	Cytokine-induced differentiation of multipotent adult progenitor cells into functional smooth muscle cells. Journal of Clinical Investigation, 2006, 116, 3139-3149.	3.9	159
35	Differentiation Potential of Human Postnatal Mesenchymal Stem Cells, Mesoangioblasts, and Multipotent Adult Progenitor Cells Reflected in Their Transcriptome and Partially Influenced by the Culture Conditions. Stem Cells, 2011, 29, 871-882.	1.4	155
36	Stem Cells: Hype and Reality. Hematology American Society of Hematology Education Program, 2002, 2002, 369-391.	0.9	153

#	ARTICLE	IF	CITATIONS
37	Placental growth factor mediates mesenchymal cell development, cartilage turnover, and bone remodeling during fracture repair. <i>Journal of Clinical Investigation</i> , 2006, 116, 1230-1242.	3.9	148
38	Chronic myelogenous leukemia: mechanisms underlying disease progression. <i>Leukemia</i> , 2002, 16, 1402-1411.	3.3	145
39	Structurally Specific Heparan Sulfates Support Primitive Human Hematopoiesis by Formation of a Multimolecular Stem Cell Niche. <i>Blood</i> , 1998, 92, 4641-4651.	0.6	143
40	Umbilical cord blood cells capable of engrafting in primary, secondary, and tertiary xenogeneic hosts are preserved after ex vivo culture in a noncontact system. <i>Blood</i> , 2001, 97, 3441-3449.	0.6	139
41	Culture systems for pluripotent stem cells. <i>Journal of Bioscience and Bioengineering</i> , 2005, 100, 12-27.	1.1	137
42	The transcription factors Scl and Lmo2 act together during development of the hemangioblast in zebrafish. <i>Blood</i> , 2007, 109, 2389-2398.	0.6	131
43	Defined Conditions for Development of Functional Hepatic Cells from Human Embryonic Stem Cells. <i>Stem Cells and Development</i> , 2005, 14, 643-655.	1.1	126
44	Hematopoietic reconstitution by multipotent adult progenitor cells: precursors to long-term hematopoietic stem cells. <i>Journal of Experimental Medicine</i> , 2007, 204, 129-139.	4.2	126
45	Comparative transcriptome analysis of embryonic and adult stem cells with extended and limited differentiation capacity. <i>Genome Biology</i> , 2007, 8, R163.	13.9	125
46	Loss or Inhibition of Stromal-Derived PlGF Prolongs Survival of Mice with Imatinib-Resistant Bcr-Abl1+ Leukemia. <i>Cancer Cell</i> , 2011, 19, 740-753.	7.7	124
47	Adult umbilical cord blood transplantation: a comprehensive review. <i>Bone Marrow Transplantation</i> , 2006, 38, 83-93.	1.3	118
48	MAPK/ERK signalling mediates VEGF $\alpha$ -induced bone marrow stem cell differentiation into endothelial cell. <i>Journal of Cellular and Molecular Medicine</i> , 2008, 12, 2395-2406.	1.6	117
49	Role of bone marrow matrix in normal and abnormal hematopoiesis. <i>Critical Reviews in Oncology/Hematology</i> , 1994, 16, 201-224.	2.0	116
50	Efficient Recombinase-Mediated Cassette Exchange in hPSCs to Study the Hepatocyte Lineage Reveals AAVS1 Locus-Mediated Transgene Inhibition. <i>Stem Cell Reports</i> , 2015, 5, 918-931.	2.3	115
51	BCR/ABL: from molecular mechanisms of leukemia induction to treatment of chronic myelogenous leukemia. <i>Oncogene</i> , 2002, 21, 8547-8559.	2.6	113
52	Sequential Exposure to Cytokines Reflecting Embryogenesis: The Key for in vitro Differentiation of Adult Bone Marrow Stem Cells into Functional Hepatocyte-like Cells. <i>Toxicological Sciences</i> , 2006, 94, 330-341.	1.4	111
53	Islet-Derived Fibroblast-Like Cells Are Not Derived via Epithelial-Mesenchymal Transition From Pdx-1 or Insulin-Positive Cells. <i>Diabetes</i> , 2007, 56, 3-7.	0.3	111
54	Hematopoietic stem cells for transplantation. <i>Nature Immunology</i> , 2002, 3, 314-317.	7.0	109

#	ARTICLE	IF	CITATIONS
55	Thymidine Analogs Are Transferred from Prelabeled Donor to Host Cells in the Central Nervous System After Transplantation: A Word of Caution. <i>Stem Cells</i> , 2006, 24, 1121-1127.	1.4	104
56	Platelet factor 4 promotes adhesion of hematopoietic progenitor cells and binds IL-8: novel mechanisms for modulation of hematopoiesis. <i>Blood</i> , 2003, 101, 4687-4694.	0.6	103
57	Stem and progenitor cells for liver repopulation: can we standardise the process from bench to bedside?. <i>Gut</i> , 2009, 58, 594-603.	6.1	103
58	Neural Differentiation and Incorporation of Bone Marrow-Derived Multipotent Adult Progenitor Cells after Single Cell Transplantation into Blastocyst Stage Mouse Embryos. <i>Cell Transplantation</i> , 2003, 12, 201-213.	1.2	102
59	Functional Analysis of Human Hematopoietic Stem Cell Gene Expression Using Zebrafish. <i>PLoS Biology</i> , 2005, 3, e254.	2.6	96
60	Altered neuronal network and rescue in a human MECP2 duplication model. <i>Molecular Psychiatry</i> , 2016, 21, 178-188.	4.1	95
61	Multipotent Adult Progenitor Cells from Swine Bone Marrow. <i>Stem Cells</i> , 2006, 24, 2355-2366.	1.4	93
62	Multipotent adult progenitor cells sustain function of ischemic limbs in mice. <i>Journal of Clinical Investigation</i> , 2008, 118, 505-14.	3.9	93
63	Expression and function of cell adhesion molecules on fetal liver, cord blood and bone marrow hematopoietic progenitors. <i>Experimental Hematology</i> , 1999, 27, 302-312.	0.2	90
64	Human pluripotent stem cell-derived hepatocytes support complete replication of hepatitis C virus. <i>Journal of Hepatology</i> , 2012, 57, 246-251.	1.8	90
65	In vitro and in vivo arterial differentiation of human multipotent adult progenitor cells. <i>Blood</i> , 2007, 109, 2634-2642.	0.6	88
66	A model of human p210bcr/ABL-mediated chronic myelogenous leukemia by transduction of primary normal human CD34+ cells with a BCR/ABL-containing retroviral vector. <i>Blood</i> , 2001, 97, 2406-2412.	0.6	87
67	Micro<scp>RNA</scp>s: the fine modulators of liver development and function. <i>Liver International</i> , 2014, 34, 976-990.	1.9	87
68	Directed differentiation of murine-induced pluripotent stem cells to functional hepatocyte-like cells. <i>Journal of Hepatology</i> , 2011, 54, 98-107.	1.8	84
69	Integrin-Mediated Regulation of Hematopoiesis: Do BCR/ABL-Induced Defects in Integrin Function Underlie the Abnormal Circulation and Proliferation of CML Progenitors?. <i>Acta Haematologica</i> , 1997, 97, 40-52.	0.7	83
70	Human LTC-IC can be maintained for at least 5 weeks in vitro when interleukin-3 and a single chemokine are combined with O-sulfated heparan sulfates: requirement for optimal binding interactions of heparan sulfate with early-acting cytokines and matrix proteins. <i>Blood</i> , 2000, 95, 147-155.	0.6	83
71	Human Multipotent Adult Progenitor Cells Are Nonimmunogenic and Exert Potent Immunomodulatory Effects on Alloreactive T-Cell Responses. <i>Cell Transplantation</i> , 2013, 22, 1915-1928.	1.2	83
72	SOX10 Single Transcription Factor-Based Fast and Efficient Generation of Oligodendrocytes from Human Pluripotent Stem Cells. <i>Stem Cell Reports</i> , 2018, 10, 655-672.	2.3	81

#	ARTICLE	IF	CITATIONS
73	Amino acid levels determine metabolism and CYP450 function of hepatocytes and hepatoma cell lines. <i>Nature Communications</i> , 2020, 11, 1393.	5.8	79
74	Effects of MRI Contrast Agents on the Stem Cell Phenotype. <i>Cell Transplantation</i> , 2010, 19, 919-936.	1.2	76
75	Host factors that impact the biodistribution and persistence of multipotent adult progenitor cells. <i>Blood</i> , 2006, 107, 4182-4188.	0.6	75
76	Endothelium-Mediated Hepatocyte Recruitment in the Establishment of Liver-like Tissue In Vitro. <i>Tissue Engineering</i> , 2006, 12, 1627-1638.	4.9	75
77	Hematopoietic Stem/Progenitor Cell Proliferation and Differentiation Is Differentially Regulated by High-Density and Low-Density Lipoproteins in Mice. <i>PLoS ONE</i> , 2012, 7, e47286.	1.1	74
78	Engineering neurovascular organoids with 3D printed microfluidic chips. <i>Lab on A Chip</i> , 2022, 22, 1615-1629.	3.1	73
79	Opposing effects of engagement of integrins and stimulation of cytokine receptors on cell cycle progression of normal human hematopoietic progenitors. <i>Blood</i> , 2000, 95, 846-854.	0.6	72
80	Safety issues in cell-based intervention trials. <i>Fertility and Sterility</i> , 2003, 80, 1077-1085.	0.5	72
81	Intrinsic cell memory reinforces myogenic commitment of pericyte-derived iPSCs. <i>Journal of Pathology</i> , 2011, 223, 593-603.	2.1	71
82	Correction of CFTR function in intestinal organoids to guide treatment of cystic fibrosis. <i>European Respiratory Journal</i> , 2021, 57, 1902426.	3.1	71
83	Current status of cord blood banking and transplantation in the United States and Europe. <i>Biology of Blood and Marrow Transplantation</i> , 2001, 7, 635-645.	2.0	69
84	Spheroid Culture for Enhanced Differentiation of Human Embryonic Stem Cells to Hepatocyte-Like Cells. <i>Stem Cells and Development</i> , 2014, 23, 124-131.	1.1	69
85	Multipotent adult progenitor cell transplantation increases vascularity and improves left ventricular function after myocardial infarction. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2007, 1, 51-59.	1.3	68
86	Human Embryonic and Rat Adult Stem Cells with Primitive Endoderm-Like Phenotype Can Be Fated to Definitive Endoderm, and Finally Hepatocyte-Like Cells. <i>PLoS ONE</i> , 2010, 5, e12101.	1.1	68
87	Genome-Wide Reverse Genetics Framework to Identify Novel Functions of the Vertebrate Secretome. <i>PLoS ONE</i> , 2006, 1, e104.	1.1	67
88	Inhibition of BCR-ABL Expression With Antisense Oligodeoxynucleotides Restores $\beta$ 1 Integrin-Mediated Adhesion and Proliferation Inhibition in Chronic Myelogenous Leukemia Hematopoietic Progenitors. <i>Blood</i> , 1998, 91, 3414-3422.	0.6	66
89	Public Stem Cell Banks: Considerations of Justice in Stem Cell Research and Therapy. <i>Hastings Center Report</i> , 2003, 33, 13.	0.7	66
90	Emerging hurdles in stem cell therapy for peripheral vascular disease. <i>Journal of Molecular Medicine</i> , 2009, 87, 3-16.	1.7	66

#	ARTICLE	IF	CITATIONS
91	Equivalent outcomes in patients with chronic myelogenous leukemia after early transplantation of phenotypically matched bone marrow from related or unrelated donors. <i>American Journal of Medicine</i> , 2001, 110, 339-346.	0.6	65
92	COUP-TFII orchestrates venous and lymphatic endothelial identity by homo- or hetero-dimerisation with PROX1. <i>Journal of Cell Science</i> , 2013, 126, 1164-1175.	1.2	65
93	Dual loss of succinate dehydrogenase (SDH) and complex I activity is necessary to recapitulate the metabolic phenotype of SDH mutant tumors. <i>Metabolic Engineering</i> , 2017, 43, 187-197.	3.6	64
94	De novo design of a biologically active amyloid. <i>Science</i> , 2016, 354, .	6.0	63
95	Kinetics of engraftment of CD34 <sup>+</sup> and CD34 <sup>+</sup> cells from mobilized blood differs from that of CD34 <sup>+</sup> and CD34 <sup>+</sup> cells from bone marrow. <i>Experimental Hematology</i> , 2000, 28, 1071-1079.	0.2	62
96	Multi-lineage expansion potential of primitive hematopoietic progenitors. <i>Experimental Hematology</i> , 2000, 28, 1087-1095.	0.2	62
97	Restoration of Progranulin Expression Rescues Cortical Neuron Generation in an Induced Pluripotent Stem Cell Model of Frontotemporal Dementia. <i>Stem Cell Reports</i> , 2015, 4, 16-24.	2.3	62
98	<sup>18</sup> F-FDG Labeling of Mesenchymal Stem Cells and Multipotent Adult Progenitor Cells for PET Imaging: Effects on Ultrastructure and Differentiation Capacity. <i>Journal of Nuclear Medicine</i> , 2013, 54, 447-454.	2.8	60
99	Highly proliferative primitive fetal liver hematopoietic stem cells are fueled by oxidative metabolic pathways. <i>Stem Cell Research</i> , 2015, 15, 715-721.	0.3	59
100	Strategies for In Vivo Genome Editing in Nondividing Cells. <i>Trends in Biotechnology</i> , 2018, 36, 770-786.	4.9	58
101	Gene Therapy for Chronic Myelogenous Leukemia (CML): A Retroviral Vector That Renders Hematopoietic Progenitors Methotrexate-Resistant and CML Progenitors Functionally Normal and Nontumorigenic In Vivo. <i>Blood</i> , 1997, 90, 4687-4698.	0.6	57
102	C9orf72-derived arginine-containing dipeptide repeats associate with axonal transport machinery and impede microtubule-based motility. <i>Science Advances</i> , 2021, 7, .	4.7	57
103	Outside-in integrin signalling regulates haematopoietic stem cell function via Periostin-Itgav axis. <i>Nature Communications</i> , 2016, 7, 13500.	5.8	56
104	Mesodermal iPSC-derived progenitor cells functionally regenerate cardiac and skeletal muscle. <i>Journal of Clinical Investigation</i> , 2015, 125, 4463-4482.	3.9	56
105	Neural Induction of Adult Bone Marrow and Umbilical Cord Stem Cells. <i>Current Neurovascular Research</i> , 2004, 1, 207-213.	0.4	55
106	Membrane-anchored uPAR regulates the proliferation, marrow pool size, engraftment, and mobilization of mouse hematopoietic stem/progenitor cells. <i>Journal of Clinical Investigation</i> , 2009, 119, 1008-18.	3.9	55
107	Regulation of High-Density Lipoprotein on Hematopoietic Stem/Progenitor Cells in Atherosclerosis Requires Scavenger Receptor Type BI Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1900-1909.	1.1	55
108	Human stem cell-derived monocytes and microglia-like cells reveal impaired amyloid plaque clearance upon heterozygous or homozygous loss of TREM2. <i>Alzheimer's and Dementia</i> , 2019, 15, 453-464.	0.4	55

#	ARTICLE	IF	CITATIONS
109	Biology of umbilical cord blood progenitors in bone marrow niches. <i>Blood</i> , 2007, 110, 74-81.	0.6	54
110	Successful isolation of liver progenitor cells by aldehyde dehydrogenase activity in naïve mice. <i>Hepatology</i> , 2012, 55, 540-552.	3.6	53
111	Concise Review: Culture Mediated Changes in Fate and/or Potency of Stem Cells. <i>Stem Cells</i> , 2011, 29, 583-589.	1.4	52
112	BIOLOGY OF CHRONIC MYELOGENOUS LEUKEMIA. <i>Hematology/Oncology Clinics of North America</i> , 1998, 12, 1-29.	0.9	51
113	Multipotent Adult Progenitor Cell and Stem Cell Plasticity. <i>Stem Cell Reviews and Reports</i> , 2005, 1, 053-060.	5.6	51
114	Stem cell-derived hepatocytes: A novel model for hepatitis E virus replication. <i>Journal of Hepatology</i> , 2016, 64, 565-573.	1.8	51
115	Immunoregulatory effects of multipotent adult progenitor cells in a porcine ex vivo lung perfusion model. <i>Stem Cell Research and Therapy</i> , 2017, 8, 159.	2.4	51
116	HDAC6 inhibition restores TDP43 pathology and axonal transport defects in human motor neurons with TARDBP mutations. <i>EMBO Journal</i> , 2021, 40, e106177.	3.5	51
117	Prdm12 Directs Nociceptive Sensory Neuron Development by Regulating the Expression of the NGF Receptor TrkA. <i>Cell Reports</i> , 2019, 26, 3522-3536.e5.	2.9	50
118	Hepatic differentiation of human embryonic stem cells on microcarriers. <i>Journal of Biotechnology</i> , 2014, 174, 39-48.	1.9	49
119	Autologous Transplantation Therapy for Chronic Myelogenous Leukemia. <i>Blood</i> , 1997, 89, 2623-2634.	0.6	48
120	A multifactorial analysis of umbilical cord blood, adult bone marrow and mobilized peripheral blood progenitors using the improved ML-IC assay. <i>Experimental Hematology</i> , 2005, 33, 165-172.	0.2	48
121	Allele-specific DNA methylation reinforces PEAR1 enhancer activity. <i>Blood</i> , 2016, 128, 1003-1012.	0.6	48
122	Ex Vivo Culture of CD34+/Lin <sup>-</sup> /DR <sup>+</sup> Cells in Stroma-Derived Soluble Factors, Interleukin-3, and Macrophage Inflammatory Protein-1 $\alpha$ Maintains Not Only Myeloid But Also Lymphoid Progenitors in a Novel Switch Culture Assay. <i>Blood</i> , 1998, 91, 4516-4522.	0.6	47
123	Mechanisms underlying abnormal trafficking and expansion of malignant progenitors in CML: BCR/ABL-induced defects in integrin function in CML. <i>Oncogene</i> , 2002, 21, 8605-8611.	2.6	46
124	Applications of Magnetic Resonance Imaging for Cardiac Stem Cell Therapy. <i>Journal of Interventional Cardiology</i> , 2004, 17, 37-46.	0.5	45
125	Characterization of expanded intermediate cell mass in zebrafish chordin morphant embryos. <i>Developmental Biology</i> , 2005, 277, 235-254.	0.9	43
126	Transforming Growth Factor type $\beta$ 2 and Smad family signaling in stem cell function. <i>Cytokine and Growth Factor Reviews</i> , 2009, 20, 449-458.	3.2	43



#	ARTICLE	IF	CITATIONS
127	Multipotent adult progenitor cells. <i>Best Practice and Research in Clinical Haematology</i> , 2011, 24, 3-11.	0.7	43
128	Epithelial organoid cultures from patients with ulcerative colitis and Crohn's disease: a truly long-term model to study the molecular basis for inflammatory bowel disease?. <i>Gut</i> , 2017, 66, 2193-2195.	6.1	43
129	Actuation enhances patterning in human neural tube organoids. <i>Nature Communications</i> , 2021, 12, 3192.	5.8	43
130	The Effect of Interferon- $\gamma$ on Beta-1 Integrin Mediated Adhesion and Growth Regulation in Chronic Myelogenous Leukemia. <i>Leukemia and Lymphoma</i> , 1998, 28, 241-254.	0.6	42
131	Novel Hyperactive Transposons for Genetic Modification of Induced Pluripotent and Adult Stem Cells: A Nonviral Paradigm for Coaxed Differentiation. <i>Stem Cells</i> , 2010, 28, 1760-1771.	1.4	42
132	Zic3 Enhances the Generation of Mouse Induced Pluripotent Stem Cells. <i>Stem Cells and Development</i> , 2013, 22, 2017-2025.	1.1	42
133	Primitive Long-Term Culture Initiating Cells (LTC-ICs) in Granulocyte Colony-Stimulating Factor Mobilized Peripheral Blood Progenitor Cells Have Similar Potential for Ex Vivo Expansion as Primitive LTC-ICs in Steady State Bone Marrow. <i>Blood</i> , 1997, 89, 3991-3997.	0.6	42
134	Pathophysiology of CML: Do defects in integrin function contribute to the premature circulation and massive expansion of the BCR/ABL positive clone?. <i>Translational Research</i> , 1997, 129, 584-591.	2.4	41
135	Isolation and characterization of a novel population of progenitor cells from unmanipulated rat liver. <i>Liver Transplantation</i> , 2008, 14, 333-345.	1.3	41
136	Replication of the Zika virus in different iPSC-derived neuronal cells and implications to assess efficacy of antivirals. <i>Antiviral Research</i> , 2017, 145, 82-86.	1.9	41
137	Generation of a human induced pluripotent stem cell-based model for tauopathies combining three microtubule-associated protein TAU mutations which displays several phenotypes linked to neurodegeneration. <i>Alzheimer's and Dementia</i> , 2018, 14, 1261-1280.	0.4	41
138	Differentiation but not ALS mutations in FUS rewires motor neuron metabolism. <i>Nature Communications</i> , 2019, 10, 4147.	5.8	41
139	Statistical significance analysis of longitudinal gene expression data. <i>Bioinformatics</i> , 2003, 19, 1628-1635.	1.8	40
140	The role of survivin in angiogenesis during zebrafish embryonic development. <i>BMC Developmental Biology</i> , 2007, 7, 50.	2.1	40
141	Contribution of different bone marrow-derived cell types in endometrial regeneration using an irradiated murine model. <i>Fertility and Sterility</i> , 2015, 103, 1596-1605.e1.	0.5	40
142	The SEURAT-1 approach towards animal free human safety assessment. <i>ALTEX: Alternatives To Animal Experimentation</i> , 2015, 32, 9-24.	0.9	40
143	Glypican-3-mediated inhibition of CD26 by TFPI: a novel mechanism in hematopoietic stem cell homing and maintenance. <i>Blood</i> , 2013, 121, 2587-2595.	0.6	38
144	A novel role of BMP4 in adult hematopoietic stem and progenitor cell homing via Smad independent regulation of integrin- $\beta$ 4 expression. <i>Blood</i> , 2013, 121, 781-790.	0.6	37

#	ARTICLE	IF	CITATIONS
145	Real-Time in Vivo Imaging of Stem Cells Following Transgenesis by Transposition. <i>Molecular Therapy</i> , 2005, 12, 42-48.	3.7	36
146	SMAD Signaling Regulates CXCL12 Expression in the Bone Marrow Niche, Affecting Homing and Mobilization of Hematopoietic Progenitors. <i>Stem Cells</i> , 2014, 32, 3012-3022.	1.4	36
147	Unraveling the transcriptional determinants of liver sinusoidal endothelial cell specialization. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 318, G803-G815.	1.6	36
148	Endothelial nitric oxide synthase is dynamically expressed during bone marrow stem cell differentiation into endothelial cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H1760-H1765.	1.5	35
149	Multipotent Adult Progenitor Cells: An Update. <i>Novartis Foundation Symposium</i> , 2008, , 55-65.	1.2	35
150	Human intestinal epithelium in a dish: Current models for research into gastrointestinal pathophysiology. <i>United European Gastroenterology Journal</i> , 2017, 5, 1073-1081.	1.6	35
151	Pluripotency in Adult Stem Cells: State of the Art. <i>Seminars in Reproductive Medicine</i> , 2006, 24, 379-388.	0.5	34
152	Maintenance of HSC by Wnt5a secreting AGM-derived stromal cell line. <i>Experimental Hematology</i> , 2011, 39, 114-123.e5.	0.2	34
153	Zic3 induces conversion of human fibroblasts to stable neural progenitor-like cells. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 252-255.	1.5	34
154	Cell membrane damage is involved in the impaired survival of bone marrow stem cells by oxidized low-density lipoprotein. <i>Journal of Cellular and Molecular Medicine</i> , 2014, 18, 2445-2453.	1.6	34
155	Mouse MAPC-mediated immunomodulation: Cell-line dependent variation. <i>Experimental Hematology</i> , 2010, 38, 1-2.	0.2	33
156	Isolation Procedure and Characterization of Multipotent Adult Progenitor Cells from Rat Bone Marrow. <i>Methods in Molecular Biology</i> , 2010, 636, 55-78.	0.4	32
157	Optimization of Multimodal Imaging of Mesenchymal Stem Cells Using the Human Sodium Iodide Symporter for PET and Cerenkov Luminescence Imaging. <i>PLoS ONE</i> , 2014, 9, e94833.	1.1	32
158	Functional expression and pharmacological modulation of TRPM3 in human sensory neurons. <i>British Journal of Pharmacology</i> , 2020, 177, 2683-2695.	2.7	32
159	The EU-ToxRisk method documentation, data processing and chemical testing pipeline for the regulatory use of new approach methods. <i>Archives of Toxicology</i> , 2020, 94, 2435-2461.	1.9	30
160	Antagonism of Nodal signaling by BMP/Smad5 prevents ectopic primitive streak formation in the mouse amnion. <i>Development (Cambridge)</i> , 2012, 139, 3343-3354.	1.2	29
161	Cryopreserved Reticulocytes Derived from Hematopoietic Stem Cells Can Be Invaded by Cryopreserved <i>Plasmodium vivax</i> Isolates. <i>PLoS ONE</i> , 2012, 7, e40798.	1.1	29
162	Hydrogen peroxide inhibits proliferation and endothelial differentiation of bone marrow stem cells partially via reactive oxygen species generation. <i>Life Sciences</i> , 2014, 112, 33-40.	2.0	29

#	ARTICLE	IF	CITATIONS
163	Can human hematopoietic stem cells be cultured ex vivo?. <i>Stem Cells</i> , 1994, 12, 466-476.	1.4	28
164	Phosphatidylinositol-3-kinase activation mediates proline-rich tyrosine kinase 2 phosphorylation and recruitment to $\beta$ 1-integrins in human CD34+ cells. <i>Experimental Hematology</i> , 2004, 32, 1051-1056.	0.2	27
165	Characterization of the Inflammatory Response in a Photothrombotic Stroke Model by MRI: Implications for Stem Cell Transplantation. <i>Molecular Imaging and Biology</i> , 2011, 13, 663-671.	1.3	27
166	Generation of oligodendrocytes and establishment of an all-human myelinating platform from human pluripotent stem cells. <i>Nature Protocols</i> , 2020, 15, 3716-3744.	5.5	27
167	BCR/ABL $\gamma$ CD34+HLA-DR $\gamma$ Progenitor Cells in Early Chronic Phase, But Not in More Advanced Phases, of Chronic Myelogenous Leukemia Are Polyclonal. <i>Blood</i> , 1999, 93, 284-292.	0.6	26
168	Nitric oxide enhances Oct-4 expression in bone marrow stem cells and promotes endothelial differentiation. <i>European Journal of Pharmacology</i> , 2008, 591, 59-65.	1.7	26
169	Induction of a mature hepatocyte phenotype in adult liver derived progenitor cells by ectopic expression of transcription factors. <i>Stem Cell Research</i> , 2011, 6, 251-261.	0.3	26
170	Radiolabeling Strategies for Radionuclide Imaging of Stem Cells. <i>Stem Cell Reviews and Reports</i> , 2015, 11, 254-274.	5.6	26
171	PDGFR $\beta$ + Cells in Embryonic Stem Cell Cultures Represent the In Vitro Equivalent of the Pre-implantation Primitive Endoderm Precursors. <i>Stem Cell Reports</i> , 2017, 8, 318-333.	2.3	26
172	Directed differentiation of human induced pluripotent stem cells to hepatic stellate cells. <i>Nature Protocols</i> , 2021, 16, 2542-2563.	5.5	26
173	Stem cells and liver engineering. <i>Biotechnology Advances</i> , 2013, 31, 1094-1107.	6.0	25
174	Multipotent Adult Progenitor Cells Support Lymphatic Regeneration at Multiple Anatomical Levels during Wound Healing and Lymphedema. <i>Scientific Reports</i> , 2018, 8, 3852.	1.6	25
175	PU.1 drives specification of pluripotent stem cell-derived endothelial cells to LSEC-like cells. <i>Cell Death and Disease</i> , 2021, 12, 84.	2.7	25
176	Propagation and titration of murine cytomegalovirus in a continuous bone marrow-derived stromal cell line (M2-10B4). <i>Journal of Virological Methods</i> , 1997, 68, 193-198.	1.0	24
177	Evaluation of neural plasticity in adult stem cells. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2008, 363, 199-205.	1.8	24
178	Differentiation of rat multipotent adult progenitor cells to functional hepatocyte-like cells by mimicking embryonic liver development. <i>Nature Protocols</i> , 2010, 5, 1324-1336.	5.5	24
179	Ox-LDL modifies the behaviour of bone marrow stem cells and impairs their endothelial differentiation via inhibition of Akt phosphorylation. <i>Journal of Cellular and Molecular Medicine</i> , 2011, 15, 423-432.	1.6	24
180	Hurler Disease Bone Marrow Stromal Cells Exhibit Altered Ability to Support Osteoclast Formation. <i>Stem Cells and Development</i> , 2012, 21, 1466-1477.	1.1	24

#	ARTICLE	IF	CITATIONS
181	BCNU treatment of marrow stromal monolayers reversibly alters haematopoiesis. <i>British Journal of Haematology</i> , 1991, 78, 304-309.	1.2	23
182	Reactive Oxygen Species Mediate Oxidized Low-Density Lipoprotein-Induced Inhibition of Oct-4 Expression and Endothelial Differentiation of Bone Marrow Stem Cells. <i>Antioxidants and Redox Signaling</i> , 2010, 13, 1845-1856.	2.5	23
183	Regulation of primitive hematopoiesis in zebrafish embryos by the death receptor gene. <i>Experimental Hematology</i> , 2006, 34, 27-34.	0.2	22
184	High glucose attenuates VEGF expression in rat multipotent adult progenitor cells in association with inhibition of JAK2/STAT3 signalling. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 3427-3436.	1.6	22
185	Directed Differentiation of Pluripotent Stem Cells to Functional Hepatocytes. <i>Methods in Molecular Biology</i> , 2013, 997, 141-147.	0.4	22
186	Therapeutic modalities and novel approaches in regenerative medicine for COVID-19. <i>International Journal of Antimicrobial Agents</i> , 2020, 56, 106208.	1.1	22
187	Stromal Extracellular Matrix Components As Growth Regulators For Human Hematopoietic Progenitors. <i>Hematology</i> , 1999, 4, 321-333.	0.7	21
188	Fibrinolysis-independent role of plasmin and its activators in the haematopoietic recovery after myeloablation. <i>Journal of Cellular and Molecular Medicine</i> , 2009, 13, 4587-4595.	1.6	21
189	MAPC culture conditions support the derivation of cells with nascent hypoblast features from bone marrow and blastocysts. <i>Journal of Molecular Cell Biology</i> , 2012, 4, 423-426.	1.5	20
190	Prospectively Isolated NGN3-Expressing Progenitors From Human Embryonic Stem Cells Give Rise to Pancreatic Endocrine Cells. <i>Stem Cells Translational Medicine</i> , 2014, 3, 489-499.	1.6	20
191	Myeloid-lymphoid initiating cells (ML-IC) are highly enriched in the rhodamine-c-kit <sup>+</sup> CD33 <sup>+</sup> CD38 <sup>+</sup> fraction of umbilical cord CD34 <sup>+</sup> cells. <i>Experimental Hematology</i> , 2002, 30, 582-589.	0.2	19
192	Stem cell plasticity. <i>Hematology</i> , 2005, 10, 293-296.	0.7	19
193	Neovascularization Potential of Blood Outgrowth Endothelial Cells From Patients With Stable Ischemic Heart Failure Is Preserved. <i>Journal of the American Heart Association</i> , 2016, 5, e002288.	1.6	19
194	Clinical-Grade Human Multipotent Adult Progenitor Cells Block CD8 <sup>+</sup> Cytotoxic T Lymphocytes. <i>Stem Cells Translational Medicine</i> , 2016, 5, 1607-1619.	1.6	19
195	SOX9-induced Generation of Functional Astrocytes Supporting Neuronal Maturation in an All-human System. <i>Stem Cell Reviews and Reports</i> , 2021, 17, 1855-1873.	1.7	19
196	A fully defined matrix to support a pluripotent stem cell derived multi-cell-liver steatohepatitis and fibrosis model. <i>Biomaterials</i> , 2021, 276, 121006.	5.7	19
197	Autologous bone marrow versus non-mobilized peripheral blood stem cell transplantation for lymphoid malignancies: A prospective, comparative trial. , 1997, 54, 202-208.		18
198	Differentiation of Multipotent Adult Progenitor Cells into Functional Endothelial and Smooth Muscle Cells. <i>Current Protocols in Immunology</i> , 2006, 75, Unit 22F.9.	3.6	18

#	ARTICLE	IF	CITATIONS
199	Plasticity and cardiovascular applications of multipotent adult progenitor cells. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2007, 4, S15-S20.	3.3	18
200	H3K27me3 Does Not Orchestrate the Expression of Lineage-Specific Markers in hESC-Derived Hepatocytes In Vitro. <i>Stem Cell Reports</i> , 2016, 7, 192-206.	2.3	18
201	Folic Acid Exposure Rescues Spina Bifida Aperta Phenotypes in Human Induced Pluripotent Stem Cell Model. <i>Scientific Reports</i> , 2018, 8, 2942.	1.6	18
202	Dystrophin deficiency leads to dysfunctional glutamate clearance in iPSC derived astrocytes. <i>Translational Psychiatry</i> , 2019, 9, 200.	2.4	18
203	Hematopoietic Stem/Progenitor Cell Sources to Generate Reticulocytes for Plasmodium vivax Culture. <i>PLoS ONE</i> , 2014, 9, e112496.	1.1	18
204	Embryonic Stem Cells Contribute to Mouse Chimeras in the Absence of Detectable Cell Fusion. <i>Cloning and Stem Cells</i> , 2008, 10, 231-248.	2.6	17
205	A Scalable Approach for Discovering Conserved Active Subnetworks across Species. <i>PLoS Computational Biology</i> , 2010, 6, e1001028.	1.5	17
206	Sodium Iodide Symporter PET and BLI Noninvasively Reveal Mesoangioblast Survival in Dystrophic Mice. <i>Stem Cell Reports</i> , 2015, 5, 1183-1195.	2.3	17
207	In Vivo Interleukin-13-Primed Macrophages Contribute to Reduced Alloantigen-Specific T Cell Activation and Prolong Immunological Survival of Allogeneic Mesenchymal Stem Cell Implants. <i>Stem Cells</i> , 2016, 34, 1971-1984.	1.4	17
208	The Periostin/Integrin- $\alpha$ v Axis Regulates the Size of Hematopoietic Stem Cell Pool in the Fetal Liver. <i>Stem Cell Reports</i> , 2020, 15, 340-357.	2.3	17
209	Inhibition of BCR-ABL Expression With Antisense Oligodeoxynucleotides Restores $\beta$ 21 Integrin-Mediated Adhesion and Proliferation Inhibition in Chronic Myelogenous Leukemia Hematopoietic Progenitors. <i>Blood</i> , 1998, 91, 3414-3422.	0.6	17
210	Organoid and microfluidics-based platforms for drug screening in COVID-19. <i>Drug Discovery Today</i> , 2022, 27, 1062-1076.	3.2	17
211	Enhanced Differentiation of Adult Bone Marrow-Derived Stem Cells to Liver Lineage in Aggregate Culture. <i>Tissue Engineering - Part A</i> , 2011, 17, 2331-2341.	1.6	16
212	Variability in contrast agent uptake by different but similar stem cell types. <i>International Journal of Nanomedicine</i> , 2013, 8, 4577.	3.3	16
213	From mice to mind: Strategies and progress in translating neuroregeneration. <i>European Journal of Pharmacology</i> , 2015, 759, 90-100.	1.7	16
214	PFN2 and GAMT as common molecular determinants of axonal Charcot-Marie-Tooth disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2018, 89, 870-878.	0.9	16
215	Energy Producing Metabolic Pathways in Functional Regulation of the Hematopoietic Stem Cells. <i>IUBMB Life</i> , 2018, 70, 612-624.	1.5	16
216	Recent advances in lineage differentiation from stem cells: hurdles and opportunities?. <i>F1000Research</i> , 2018, 7, 220.	0.8	16

#	ARTICLE	IF	CITATIONS
217	Immunohistochemical identification of multipotent adult progenitor cells from human bone marrow after transplantation into the rat brain. <i>Brain Research Protocols</i> , 2003, 11, 38-45.	1.7	15
218	Transplantation of Undifferentiated, Bone Marrow-Derived Stem Cells. <i>Current Topics in Developmental Biology</i> , 2006, 74, 201-251.	1.0	15
219	Enhanced Antitumor Efficacy of a Vascular Disrupting Agent Combined with an Antiangiogenic in a Rat Liver Tumor Model Evaluated by Multiparametric MRI. <i>PLoS ONE</i> , 2012, 7, e41140.	1.1	15
220	Distinct Molecular Signature of Murine Fetal Liver and Adult Hematopoietic Stem Cells Identify Novel Regulators of Hematopoietic Stem Cell Function. <i>Stem Cells and Development</i> , 2017, 26, 573-584.	1.1	15
221	Human stem cell-derived hepatocyte-like cells support Zika virus replication and provide a relevant model to assess the efficacy of potential antivirals. <i>PLoS ONE</i> , 2018, 13, e0209097.	1.1	15
222	Human iPSC model reveals a central role for NOX4 and oxidative stress in Duchenne cardiomyopathy. <i>Stem Cell Reports</i> , 2022, 17, 352-368.	2.3	15
223	Ex vivo expansion of umbilical cord blood hemopoietic stem and progenitor cells. <i>Experimental Hematology</i> , 2004, 32, 412-413.	0.2	14
224	All-trans retinoic acid (ATRA) enhances maintenance of primitive human hematopoietic progenitors and skews them towards myeloid differentiation in a stroma-noncontact culture system. <i>Experimental Hematology</i> , 2005, 33, 422-427.	0.2	14
225	Controlling and Monitoring Stem Cell Safety In Vivo in an Experimental Rodent Model. <i>Stem Cells</i> , 2014, 32, 2833-2844.	1.4	14
226	Assessment of bystander killing-mediated therapy of malignant brain tumors using a multimodal imaging approach. <i>Stem Cell Research and Therapy</i> , 2015, 6, 163.	2.4	14
227	Alternative Cell Sources for Liver Parenchyma Repopulation: Where Do We Stand?. <i>Cells</i> , 2020, 9, 566.	1.8	14
228	Current Status and Challenges of Human Induced Pluripotent Stem Cell-Derived Liver Models in Drug Discovery. <i>Cells</i> , 2022, 11, 442.	1.8	14
229	Population dynamics of human activated natural killer cells in culture. <i>Biotechnology and Bioengineering</i> , 1994, 43, 685-692.	1.7	13
230	Bone-marrow-derived cells and heart repair. <i>Current Opinion in Organ Transplantation</i> , 2008, 13, 36-43.	0.8	13
231	Comparisons of phenotype and immunomodulatory capacity among rhesus bone-marrow-derived mesenchymal stem/stromal cells, multipotent adult progenitor cells, and dermal fibroblasts. <i>Journal of Medical Primatology</i> , 2014, 43, 231-241.	0.3	13
232	Increased Understanding of Stem Cell Behavior in Neurodegenerative and Neuromuscular Disorders by Use of Noninvasive Cell Imaging. <i>Stem Cells International</i> , 2016, 2016, 1-20.	1.2	13
233	In Vitro Pluripotent Stem Cell Differentiation to Hepatocyte Ceases Further Maturation at an Equivalent Stage of E15 in Mouse Embryonic Liver Development. <i>Stem Cells and Development</i> , 2018, 27, 910-921.	1.1	13
234	Fluorescent tagging of endogenous Heme oxygenase-1 in human induced pluripotent stem cells for high content imaging of oxidative stress in various differentiated lineages. <i>Archives of Toxicology</i> , 2021, 95, 3285-3302.	1.9	13

#	ARTICLE	IF	CITATIONS
235	Will the real EPC please stand up?. Blood, 2007, 109, 1795-1796.	0.6	12
236	Directed differentiation of mouse cochlear neural progenitors in vitro. American Journal of Physiology - Cell Physiology, 2009, 296, C441-C452.	2.1	12
237	The road to regenerative liver therapies: The triumphs, trials and tribulations. Biotechnology Advances, 2013, 31, 1085-1093.	6.0	12
238	Hematopoietic Stem/Progenitor Cells Directly Contribute to Arteriosclerotic Progression via Integrin $\beta$ 2. Stem Cells, 2015, 33, 1230-1240.	1.4	12
239	Molecular Imaging of Human Embryonic Stem Cells Stably Expressing Human PET Reporter Genes After Zinc Finger Nuclease-Mediated Genome Editing. Journal of Nuclear Medicine, 2017, 58, 1659-1665.	2.8	12
240	Cell Expansion During Directed Differentiation of Stem Cells Toward the Hepatic Lineage. Stem Cells and Development, 2017, 26, 274-284.	1.1	12
241	Generating tissue-resident macrophages from pluripotent stem cells: Lessons learned from microglia. Cellular Immunology, 2018, 330, 60-67.	1.4	12
242	The human somatostatin receptor type 2 as an imaging and suicide reporter gene for pluripotent stem cell-derived therapy of myocardial infarction. Theranostics, 2018, 8, 2799-2813.	4.6	12
243	TGF $\beta$ 1-Induced Baf60c Regulates both Smooth Muscle Cell Commitment and Quiescence. PLoS ONE, 2012, 7, e47629.	1.1	12
244	Integrin engagement-induced inhibition of human myelopoiesis is mediated by proline-rich tyrosine kinase 2 gene products. Experimental Hematology, 2004, 32, 365-374.	0.2	11
245	Pluripotent stem cells. Transfusion Clinique Et Biologique, 2009, 16, 65-69.	0.2	11
246	Increased $\beta$ 2-Cell Mass by Islet Transplantation and PLAG1 Overexpression Causes Hyperinsulinemic Normoglycemia and Hepatic Insulin Resistance in Mice. Diabetes, 2010, 59, 1957-1965.	0.3	11
247	Activin A Modulates CRIPTO-1/HNF4 $\alpha$ Cells to Guide Cardiac Differentiation from Human Embryonic Stem Cells. Stem Cells International, 2017, 2017, 1-17.	1.2	11
248	An in vitro strategy using multiple human induced pluripotent stem cell-derived models to assess the toxicity of chemicals: A case study on paraquat. Toxicology in Vitro, 2022, 81, 105333.	1.1	11
249	Gene Transfer Via Nucleofection Into Adult and Embryonic Stem Cells. Methods in Molecular Biology, 2007, 407, 115-126.	0.4	10
250	Deficiency of Either P-Glycoprotein or Breast Cancer Resistance Protein Protect against Acute Kidney Injury. Cell Transplantation, 2010, 19, 1195-1208.	1.2	10
251	Cardiomyocyte Differentiation of Rat Bone Marrow Multipotent Progenitor Cells Is Associated with Downregulation of Oct-4 Expression. Tissue Engineering - Part A, 2010, 16, 3111-3117.	1.6	10
252	Hepatic Stem Cells. Methods in Molecular Biology, 2010, 640, 167-179.	0.4	10

#	ARTICLE	IF	CITATIONS
253	Oct4-negative multipotent adult progenitor cells and mesenchymal stem cells as regulators of T-cell alloreactivity in mice. <i>Immunology Letters</i> , 2011, 137, 78-81.	1.1	10
254	NKX2-1 Activation by SMAD2 Signaling After Definitive Endoderm Differentiation in Human Embryonic Stem Cell. <i>Stem Cells and Development</i> , 2013, 22, 1433-1442.	1.1	10
255	FANCA knockout in human embryonic stem cells causes a severe growth disadvantage. <i>Stem Cell Research</i> , 2014, 13, 240-250.	0.3	10
256	Mutual Interaction between Human Multipotent Adult Progenitor Cells and NK Cells. <i>Cell Transplantation</i> , 2014, 23, 1099-1110.	1.2	10
257	Monitoring the Bystander Killing Effect of Human Multipotent Stem Cells for Treatment of Malignant Brain Tumors. <i>Stem Cells International</i> , 2016, 2016, 1-14.	1.2	10
258	N-acetylcysteine prevents oxidized low-density lipoprotein-induced reduction of MG53 and enhances MG53 protective effect on bone marrow stem cells. <i>Journal of Cellular and Molecular Medicine</i> , 2020, 24, 886-898.	1.6	10
259	Multipotent adult progenitor cells: an update. <i>Novartis Foundation Symposium</i> , 2005, 265, 55-61; discussion 61-5, 92-7.	1.2	10
260	All-trans retinoic acid induces proliferation of an irradiated stem cell supporting stromal cell line AFT024. <i>Experimental Hematology</i> , 2007, 35, 56-63.	0.2	9
261	Bony Endothelium: Tumor-Mediated Transdifferentiation?. <i>Cancer Cell</i> , 2008, 14, 193-194.	7.7	9
262	Neural differentiation and support of neuroregeneration of non-neural adult stem cells. <i>Progress in Brain Research</i> , 2012, 201, 17-34.	0.9	9
263	Concise Review: Bone Marrow Meets Blastocyst: Lessons from an Unlikely Encounter. <i>Stem Cells</i> , 2013, 31, 620-626.	1.4	9
264	Reversal of Hyperglycemia by Insulin-Secreting Rat Bone Marrow- and Blastocyst-Derived Hypoblast Stem Cell-Like Cells. <i>PLoS ONE</i> , 2013, 8, e63491.	1.1	9
265	Systematic transcriptome-based comparison of cellular adaptive stress response activation networks in hepatic stem cell-derived progeny and primary human hepatocytes. <i>Toxicology in Vitro</i> , 2021, 73, 105107.	1.1	9
266	BCR/ABL <sup>+</sup> CD34+HLA-DR <sup>+</sup> Progenitor Cells in Early Chronic Phase, But Not in More Advanced Phases, of Chronic Myelogenous Leukemia Are Polyclonal. <i>Blood</i> , 1999, 93, 284-292.	0.6	9
267	Gene therapy for chronic myelogenous leukemia. <i>Trends in Molecular Medicine</i> , 1999, 5, 359-366.	2.6	8
268	Methotrexate Exacerbates Tumor Progression in a Murine Model of Chronic Myeloid Leukemia. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 300, 1075-1084.	1.3	8
269	Adult Stem Cells: Tissue Specific or Not?. , 2004, , 13-20.		8
270	Microbiota, not host origin drives <i>ex vivo</i> intestinal epithelial responses. <i>Gut Microbes</i> , 2022, 14, .	4.3	8



#	ARTICLE	IF	CITATIONS
271	Chronic myelogenous leukemia: In search of the benign hematopoietic stem cell. <i>Stem Cells</i> , 1993, 11, 10-13.	1.4	7
272	STEM CELLS IN CHRONIC MYELOGENOUS LEUKEMIA. <i>Hematology/Oncology Clinics of North America</i> , 1997, 11, 1079-1114.	0.9	7
273	Therapeutic potential of adult progenitor cells in cardiovascular disease. <i>Expert Opinion on Biological Therapy</i> , 2007, 7, 1153-1165.	1.4	7
274	Transcriptional characterization of the notch signaling pathway in rodent multipotent adult progenitor cells. <i>Pathology and Oncology Research</i> , 2007, 13, 302-310.	0.9	7
275	Culture of Mouse Embryonic Stem Cells with Serum but without Exogenous Growth Factors Is Sufficient to Generate Functional Hepatocyte-Like Cells. <i>PLoS ONE</i> , 2011, 6, e23096.	1.1	7
276	Pancreatic differentiation of Pdx1-GFP reporter mouse induced pluripotent stem cells. <i>Differentiation</i> , 2016, 92, 249-256.	1.0	7
277	Hmga2 translocation induced in skin tumorigenesis. <i>Oncotarget</i> , 2017, 8, 30019-30029.	0.8	7
278	Patient-Specific Induced Pluripotent Stem Cell-Derived Hepatocyte-Like Cells as a Model to Study Autosomal Recessive Hypercholesterolemia. <i>Stem Cells and Development</i> , 2021, 30, 714-724.	1.1	7
279	HiPSC-Derived Hepatocyte-like Cells Can Be Used as a Model for Transcriptomics-Based Study of Chemical Toxicity. <i>Toxics</i> , 2022, 10, 1.	1.6	7
280	Interferon- $\gamma$ restores $\alpha$ 2b1-integrin-dependent, collagen-mediated platelet aggregation in a patient with chronic myelogenous leukemia. <i>Translational Research</i> , 1998, 131, 163-169.	2.4	6
281	Chronic Myelogenous Leukemia: From Pathogenesis to Therapy. <i>Stem Cells and Development</i> , 1999, 8, 3-13.	1.0	6
282	Efficient Non-Viral Integration and Stable Gene Expression in Multipotent Adult Progenitor Cells. <i>Stem Cells International</i> , 2011, 2011, 1-14.	1.2	6
283	High glucose facilitates cell cycle arrest of rat bone marrow multipotent adult progenitor cells through transforming growth factor- $\beta$ 1 and extracellular signal-regulated kinase 1/2 signalling without changing <i>scp</i> expression. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2012, 39, 843-851.	0.9	6
284	High glucose enhances TGF- $\beta$ 1 expression in rat bone marrow stem cells via ERK1/2-mediated inhibition of STAT3 signaling. <i>Life Sciences</i> , 2012, 90, 509-518.	2.0	6
285	Vascular Diseases and Metabolic Disorders. <i>Stem Cells International</i> , 2016, 2016, 1-2.	1.2	6
286	Integrative and perturbation based analysis of the transcriptional dynamics of TGF- $\beta$ 2/BMP system components in transition from embryonic stem cells to neural progenitors. <i>Stem Cells</i> , 2019, 38, 202-217.	1.4	6
287	Fetal hematopoietic stem cell homing is controlled by VEGF regulating the integrity and oxidative status of the stromal-vascular bone marrow niches. <i>Cell Reports</i> , 2021, 36, 109618.	2.9	6
288	Fast and Efficient Generation of Isogenic Induced Pluripotent Stem Cell Lines Using Adenine Base Editing. <i>CRISPR Journal</i> , 2021, 4, 502-518.	1.4	6

#	ARTICLE	IF	CITATIONS
289	Gene Therapy for Chronic Myelogenous Leukemia (CML): A Retroviral Vector That Renders Hematopoietic Progenitors Methotrexate-Resistant and CML Progenitors Functionally Normal and Nontumorigenic In Vivo. <i>Blood</i> , 1997, 90, 4687-4698.	0.6	6
290	Optimizing hematopoietic stem cell engraftment: a novel role for thrombopoietin. <i>Journal of Clinical Investigation</i> , 2002, 110, 303-304.	3.9	6
291	Pdx1- and Ngn3-Cre-Mediated PLAG1 Expression in the Pancreas Leads to Endocrine Hormone Imbalances That Affect Glucose Metabolism. <i>Cell Transplantation</i> , 2011, 20, 1285-1297.	1.2	5
292	Endothelial Barrier and Metabolism: New Kids on the Block Regulating Bone Marrow Vascular Niches. <i>Developmental Cell</i> , 2016, 37, 210-212.	3.1	5
293	The Impact of Integrin $\alpha 2 \beta 2$ on Granulocyte/Macrophage Progenitor Proliferation. <i>Stem Cells</i> , 2019, 37, 430-440.	1.4	5
294	Niche-Mediated Integrin Signaling Supports Steady-State Hematopoiesis in the Spleen. <i>Journal of Immunology</i> , 2021, 206, 1549-1560.	0.4	5
295	Stem Cell-Derived Oligodendroglial Cells for Therapy in Neurological Diseases. <i>Current Stem Cell Research and Therapy</i> , 2016, 11, 569-577.	0.6	5
296	Expansion and Activation of Human Natural Killer Cells for Autologous Therapy. <i>Stem Cells and Development</i> , 1994, 3, 71-74.	1.0	4
297	Blockerette-Ligated Capture T7-Amplified RT-PCR, a New Method for Determining Flanking Sequences. <i>Molecular Therapy</i> , 2002, 6, 113-118.	3.7	4
298	Adult Stem and Progenitor Cells. , 2009, 114, 1-21.		4
299	Biliary Cells to the Rescue of Prometheus. <i>Gastroenterology</i> , 2014, 146, 611-614.	0.6	4
300	The undoing of differentiation by four defined factors: A big step forward towards generating patient specific pluripotent stem cells. <i>Journal of Hepatology</i> , 2008, 49, 876-878.	1.8	3
301	Self-renewal of neural stem cells: implications for future therapies. <i>Frontiers in Physiology</i> , 2013, 4, 49.	1.3	3
302	Epigenetic Induction of Definitive and Pancreatic Endoderm Cell Fate in Human Fibroblasts. <i>Stem Cells International</i> , 2016, 2016, 1-8.	1.2	3
303	Multipotent adult progenitor cells improve the hematopoietic function in myelodysplasia. <i>Cytotherapy</i> , 2017, 19, 744-755.	0.3	3
304	Generation of induced pluripotent stem cells from Chinese hamster embryonic fibroblasts. <i>Stem Cell Research</i> , 2017, 21, 132-136.	0.3	3
305	Topographical Guidance of PSC-Derived Cortical Neurons. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-10.	1.5	3
306	Ex Vivo Culture of CD34 <sup>+</sup> /Lin <sup>-</sup> /DR $\alpha$ <sup>-</sup> Cells in Stroma-Derived Soluble Factors, Interleukin-3, and Macrophage Inflammatory Protein-1 $\alpha$ Maintains Not Only Myeloid But Also Lymphoid Progenitors in a Novel Switch Culture Assay. <i>Blood</i> , 1998, 91, 4516-4522.	0.6	3

#	ARTICLE	IF	CITATIONS
307	A Novel UPLC-MS Metabolomic Analysis-Based Strategy to Monitor the Course and Extent of iPSC Differentiation to Hepatocytes. <i>Journal of Proteome Research</i> , 2022, , .	1.8	3
308	Transcriptomics analysis of human iPSC-derived dopaminergic neurons reveals a novel model for sporadic Parkinson's disease. <i>Molecular Psychiatry</i> , 2022, 27, 4355-4367.	4.1	3
309	Chromosomal Translocations in Hematologic Malignancies. <i>Current Genomics</i> , 2002, 3, 313-334.	0.7	2
310	Method " A nonviral gene transfer method for transfecting multipotent adult progenitor cells (MAPC). <i>Gene Therapy and Regulation</i> , 2004, 2, 301-312.	0.3	2
311	Introduction to Methods/Techniques paper section of Experimental Hematology. <i>Experimental Hematology</i> , 2006, 34, 1588.	0.2	2
312	Multipotent Adult Progenitor Cells. , 2009, , 233-241.		2
313	Antibiotics may impair hematopoietic recovery after cytotoxic myeloablation. <i>Blood</i> , 2009, 113, 1608-1609.	0.6	2
314	Perception and Knowledge About Stem Cell and Tissue Engineering Research: A Survey Amongst Researchers and Medical Practitioners in Perinatology. <i>Stem Cell Reviews and Reports</i> , 2014, 10, 447-54.	5.6	2
315	Understanding the molecular mechanism of host-based statin resistance in hepatitis C virus replicon containing cells. <i>Biochemical Pharmacology</i> , 2015, 96, 190-201.	2.0	2
316	Generation of hepatocyte- and endocrine pancreatic-like cells from human induced endodermal progenitor cells. <i>PLoS ONE</i> , 2018, 13, e0197046.	1.1	2
317	Wnt5a Does Not Support Hematopoiesis in Stroma-Free, Serum-Free Cultures. <i>PLoS ONE</i> , 2013, 8, e53669.	1.1	2
318	Dynamic regulation of EZH2 from HPSc to hepatocyte-like cell fate. <i>PLoS ONE</i> , 2017, 12, e0186884.	1.1	2
319	Metabolically Improved Stem Cell Derived Hepatocyte-Like Cells Support HBV Life Cycle and Are a Promising Tool for HBV Studies and Antiviral Drug Screenings. <i>Biomedicines</i> , 2022, 10, 268.	1.4	2
320	Stem cell culture engineering. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'an</i> , 2005, 28, 1039-1052.	0.6	1
321	Multipotent Adult Progenitor Cells. , 2013, , 503-511.		1
322	Cell-based liver support systems: status and prospect. <i>Current Opinion in Chemical Engineering</i> , 2013, 2, 26-31.	3.8	1
323	Rapid and Efficient Generation of Recombinant Human Pluripotent Stem Cells by Recombinase-mediated Cassette Exchange in the <i>AAVS1</i> Locus. <i>Journal of Visualized Experiments</i> , 2016, , .	0.2	1
324	Gene editing technology for improving life quality: A dream coming true?. <i>Clinical Genetics</i> , 2021, 99, 67-83.	1.0	1

#	ARTICLE	IF	CITATIONS
325	Human Pluripotent Stem Cells from Bone Marrow. , 2003, , 89-111.		1
326	Expression and Function of Pluripotency Genes in Adult Stem Cells. , 2011, , 95-112.		1
327	A Data Mining Library for miRNA Annotation and Analysis. Lecture Notes in Computer Science, 2011, , 80-84.	1.0	1
328	Phenotypic and Functional Characterization of Smooth Muscle-Like Cells Derived from Multipotent Adult Progenitor Cells (MAPCs).. Blood, 2004, 104, 678-678.	0.6	1
329	Functional Analysis of the Differential Gene Expression Profile of Human HSC Using a Functional Genomics Screen in the Zebrafish.. Blood, 2004, 104, 136-136.	0.6	1
330	Stem Cells and Regenerative Medicine. , 2008, , .		1
331	Multipotent Adult Progenitor Cells. , 2004, , 293-297.		0
332	Testing the Limits: The Potential of MAPC in Animal Models. , 2006, , 147-156.		0
333	Hematopoietic reconstitution by multipotent adult progenitor cells: precursors to long-term hematopoietic stem cells. Journal of Experimental Medicine, 2007, 204, 1729-1729.	4.2	0
334	Flow cytometry data. Experimental Hematology, 2007, 35, 860.	0.2	0
335	Multipotent Adult Progenitor Cells. , 2008, , 258-266.		0
336	Cellular Biology of Hematopoiesis. , 0, , 72-87.		0
337	Multipotent Adult Progenitor Cells. , 2011, , 263-272.		0
338	Erratum to "Human pluripotent stem cell-derived hepatocytes support complete replication of hepatitis C virus" [J Hepatol 2012;57:246-251]. Journal of Hepatology, 2013, 58, 199-200.	1.8	0
339	Multipotent Adult Progenitor Cells. , 2014, , 245-253.		0
340	Stem cells in neurodegeneration: mind the gap. , 2017, , 81-100.		0
341	Multipotent Adult Progenitor Cells. , 2019, , 181-190.		0
342	Carfilzomib-induced reticulocytosis in patients with multiple myeloma is caused by impaired terminal erythroid maturation. Leukemia, 2020, 34, 651-655.	3.3	0

#	ARTICLE	IF	CITATIONS
343	Gene Therapy for Chronic Myelogenous Leukemia. , 2002, , 331-337.		0
344	Swine Bone Marrow Derived Multipotent Adult Progenitor Cells.. Blood, 2004, 104, 2336-2336.	0.6	0
345	STI571 Suppresses Proliferation by Restoring Nuclear Cyclin Dependent Kinase Inhibitors (CDKs) while STI571+TRAIL Promotes Cell Death by Decreasing Cytoplasmic CDKs.. Blood, 2004, 104, 1992-1992.	0.6	0
346	Karyotypic Evaluation of Expanded Rat MAPCs.. Blood, 2004, 104, 4261-4261.	0.6	0
347	The Effect of GSK3 <sup>Î²</sup> Inhibitor on Murine Multipotent Adult Progenitor Cells (mMAPCs).. Blood, 2005, 106, 1705-1705.	0.6	0
348	SPRY1 Is a Negative Regulator of Long-Term In Vivo Engraftment and Ex Vivo Expansion of Primitive Human Umbilical Cord Blood Cells.. Blood, 2005, 106, 1715-1715.	0.6	0
349	Inhibition of Nitric Oxide Synthase Does Not Change Oct4 Expression or Differentiation of Bone Marrow Stem Cells into Endothelial Cells in vitro. FASEB Journal, 2006, 20, .	0.2	0
350	Multipotent Adult Progenitor Cells. , 2008, , 95-109.		0
351	From Neural Stem Cells to Neuroregeneration. , 2008, , 291-326.		0
352	Cochlear Stem Cells/Progenitors. , 2008, , 327-353.		0
353	Postnatal Stem Cells for Myocardial Repair. , 2008, , 221-262.		0
354	Multipotent Adult Progenitor Cells (MAPCs) for Cardiovascular and Neurologic Diseases. , 2016, , 267-275.		0
355	Physico-Chemical Properties of the Stem Cell Niche. , 2017, , 61-80.		0
356	Therapeutic Applications of Bone Marrow-Derived Stem Cells in Neurologic Injury and Disease. , 2006, , 163-197.		0