Continuous single-cell imaging of blood generation from

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Citation Report

#	Article	IF	CITATIONS
1	Blood feuds. Nature Reports Stem Cells, 0, , .	0.1	0
3	Late Origin of Glia-Restricted Progenitors in the Developing Mouse Cerebral Cortex. Cerebral Cortex, 2009, 19, i135-i143.	1.6	70
4	Instruction of lineage choice by hematopoietic cytokines. Cell Cycle, 2009, 8, 4019-4020.	1.3	10
5	Hematopoietic Cytokines Can Instruct Lineage Choice. Science, 2009, 325, 217-218.	6.0	359
6	Will the Real Plaque Vasculature Please Stand Up? Why We Need to Distinguish the Vasa Plaquorum From the Vasa Vasorum. Trends in Cardiovascular Medicine, 2009, 19, 87-94.	2.3	14
7	Integrated microfluidic systems for high-performance genetic analysis. Trends in Biotechnology, 2009, 27, 572-581.	4.9	125
8	Common features of megakaryocytes and hematopoietic stem cells: What's the connection?. Journal of Cellular Biochemistry, 2009, 107, 857-864.	1.2	66
9	Zebrafish blood stem cells. Journal of Cellular Biochemistry, 2009, 108, 35-42.	1.2	136
10	Analyzing cell fate control by cytokines through continuous single cell biochemistry. Journal of Cellular Biochemistry, 2009, 108, 343-352.	1.2	20
11	RoboSCell: an automated single cell arraying and analysis instrument. Biomedical Microdevices, 2009, 11, 1317-1330.	1.4	6
12	Enhanced Hematovascular Contribution of SCL 3′ Enhancer Expressing Fetal Liver Cells Uncovers Their Potential to Integrate in Extramedullary Adult Niches Â. Stem Cells, 2010, 28, 100-112.	1.4	6
13	Forcing cells to change lineages. Nature, 2009, 462, 587-594.	13.7	817
14	Birth of the blood cell. Nature, 2009, 457, 801-803.	13.7	32
16	RUNX factors in development: Lessons from invertebrate model systems. Blood Cells, Molecules, and Diseases, 2009, 43, 43-48.	0.6	31
17	Stem Cell States, Fates, and the Rules of Attraction. Cell Stem Cell, 2009, 4, 387-397.	5.2	307
18	Lineage Commitment: Cytokines Instruct, At Last!. Cell Stem Cell, 2009, 5, 234-236.	5.2	16
19	Emerging biology of vascular wall progenitor cells in health and disease. Trends in Molecular Medicine, 2009, 15, 501-509.	3.5	66
20	Lessons from the niche for generation and expansion of hematopoietic stem cells. Drug Discovery Today: Therapeutic Strategies, 2009, 6, 135-140.	0.5	13

#	Article	IF	Citations
21	Application of induced pluripotent stem cells to hematologic disease. Cytotherapy, 2009, 11, 980-989.	0.3	23
22	Decoding the Hemogenic Endothelium in Mammals. Cell Stem Cell, 2009, 4, 189-190.	5.2	24
23	Mechanisms and markers of vascular damage in ANCA-associated vasculitis. Autoimmunity, 2009, 42, 605-614.	1.2	16
24	Designing materials to direct stem-cell fate. Nature, 2009, 462, 433-441.	13.7	1,276
25	Hematopoietic cell development in the zebrafish embryo. Current Opinion in Hematology, 2009, 16, 243-248.	1.2	68
26	Early chromatin unfolding by RUNX1: a molecular explanation for differential requirements during specification versus maintenance of the hematopoietic gene expression program. Blood, 2009, 114, 299-309.	0.6	113
27	The transcription factors STAT5A/B regulate GM-CSF–mediated granulopoiesis. Blood, 2009, 114, 4721-4728.	0.6	58
28	The differential activities of Runx1 promoters define milestones during embryonic hematopoiesis. Blood, 2009, 114, 5279-5289.	0.6	108
29	Research Highlights. Imaging in Medicine, 2010, 2, 129-130.	0.0	3
30	Placenta as a newly identified source of hematopoietic stem cells. Current Opinion in Hematology, 2010, 17, 313-318.	1.2	25
31	Multifaceted role of vascular endothelial growth factor signaling in adult tissue physiology: an emerging concept with clinical implications. Current Opinion in Hematology, 2010, 17, 1.	1.2	22
32	Notch signaling distinguishes 2 waves of definitive hematopoiesis in the zebrafish embryo. Blood, 2010, 115, 2777-2783.	0.6	97
33	Live imaging of Runx1 expression in the dorsal aorta tracks the emergence of blood progenitors from endothelial cells. Blood, 2010, 116, 909-914.	0.6	159
34	Scl isoforms act downstream of etsrp to specify angioblasts and definitive hematopoietic stem cells. Blood, 2010, 115, 5338-5346.	0.6	58
35	VE-cadherin expression allows identification of a new class of hematopoietic stem cells within human embryonic liver. Blood, 2010, 116, 4444-4455.	0.6	41
36	Vascular remodeling of the vitelline artery initiates extravascular emergence of hematopoietic clusters. Blood, 2010, 116, 3435-3444.	0.6	68
37	Cellular phenotype switching and microvesicles. Advanced Drug Delivery Reviews, 2010, 62, 1141-1148.	6.6	116
38	Formation of cardiovascular tubes in invertebrates and vertebrates. Cellular and Molecular Life Sciences, 2010, 67, 3209-3218.	2.4	29

#	Article	IF	CITATIONS
39	Blood cell generation from the hemangioblast. Journal of Molecular Medicine, 2010, 88, 167-172.	1.7	63
40	The role of Smad signaling in vascular and hematopoietic development revealed by studies using genetic mouse models. Science China Life Sciences, 2010, 53, 485-489.	2.3	7
41	Differentiation of mesodermal cells from pluripotent stem cells. International Journal of Hematology, 2010, 91, 373-383.	0.7	13
42	Hematopoiesis from pluripotent stem cell lines. International Journal of Hematology, 2010, 91, 384-391.	0.7	13
43	Endothelial cells mediate the regeneration of hematopoietic stem cells. Stem Cell Research, 2010, 4, 17-24.	0.3	37
44	The contribution of the Tie2 ⁺ lineage to primitive and definitive hematopoietic cells. Genesis, 2010, 48, 563-567.	0.8	146
45	Autologous blood cell therapies from pluripotent stem cells. Blood Reviews, 2010, 24, 27-37.	2.8	61
46	Individual fates of mesenchymal stem cells in vitro. BMC Systems Biology, 2010, 4, 73.	3.0	31
47	The Sequential Expression of CD40 and Icam2 Defines Progressive Steps in the Formation of Blood Precursors from the Mesoderm Germ Layer. Stem Cells, 2010, 28, 1089-1098.	1.4	12
48	Hematopoietic differentiation from human ESCs as a model for developmental studies and future clinical translations. Invited review following the FEBS Anniversary Prize received on 5 July 2009 at the 34th FEBS Congress in Prague. FEBS Journal, 2010, 277, 5014-5025.	2.2	12
49	Ontogeny of haematopoiesis: recent advances and open questions. British Journal of Haematology, 2010, 148, 343-355.	1.2	19
50	Lentiviral gene ontology (LeGO) vectors equipped with novel drug-selectable fluorescent proteins: new building blocks for cell marking and multi-gene analysis. Gene Therapy, 2010, 17, 511-520.	2.3	97
51	Haematopoietic stem cells derive directly from aortic endothelium during development. Nature, 2010, 464, 108-111.	13.7	885
52	Blood stem cells emerge from aortic endothelium by a novel type of cell transition. Nature, 2010, 464, 112-115.	13.7	814
53	In vivo imaging of haematopoietic cells emerging from the mouse aortic endothelium. Nature, 2010, 464, 116-120.	13.7	792
54	The electronic crystal ball: predicting cell fate from time-lapse data. Nature Methods, 2010, 7, 190-191.	9.0	6
55	Mapping the life histories of T cells. Nature Reviews Immunology, 2010, 10, 621-631.	10.6	50
56	Primitive erythropoiesis in the mammalian embryo. International Journal of Developmental Biology, 2010, 54, 1011-1018.	0.3	59

#	Article	IF	Citations
57	Hematopoietic stem cell emergence in the conceptus and the role of Runx1. International Journal of Developmental Biology, 2010, 54, 1151-1163.	0.3	69
58	Challenges and strategies for generating therapeutic patient-specific hemangioblasts and hematopoietic stem cells from human pluripotent stem cells. International Journal of Developmental Biology, 2010, 54, 965-990.	0.3	29
59	Aortic remodelling during hemogenesis: is the chicken paradigm unique?. International Journal of Developmental Biology, 2010, 54, 1045-1054.	0.3	14
60	High-throughput methods to define complex stem cell niches. BioTechniques, 2010, 48, ix-xxii.	0.8	69
61	Definitive human and mouse hematopoiesis originates from the embryonic endothelium: a new class of HSCs based on VE-cadherin expression. International Journal of Developmental Biology, 2010, 54, 1165-1173.	0.3	39
62	Allantois and placenta as developmental sources of hematopoietic stem cells. International Journal of Developmental Biology, 2010, 54, 1079-1087.	0.3	12
63	Hematopoietic stem cell development in the placenta. International Journal of Developmental Biology, 2010, 54, 1089-1098.	0.3	49
64	The origin and fate of yolk sac hematopoiesis: application of chimera analyses to developmental studies. International Journal of Developmental Biology, 2010, 54, 1019-1031.	0.3	40
65	Dissecting hematopoietic differentiation using the embryonic stem cell differentiation model. International Journal of Developmental Biology, 2010, 54, 991-1002.	0.3	17
66	Three-dimensional cartography of hematopoietic clusters in the vasculature of whole mouse embryos. Development (Cambridge), 2010, 137, 3651-3661.	1.2	215
67	Imaging the founder of adult hematopoiesis in the mouse embryo aorta. Cell Cycle, 2010, 9, 2489-2490.	1.3	9
68	Red blood cells from pluripotent stem cells for use in transfusion. Regenerative Medicine, 2010, 5, 411-423.	0.8	9
69	Directing Astroglia from the Cerebral Cortex into Subtype Specific Functional Neurons. PLoS Biology, 2010, 8, e1000373.	2.6	447
70	Identification and In Vivo Analysis of Murine Hematopoietic Stem Cells. Methods in Enzymology, 2010, 476, 429-447.	0.4	4
71	Placenta as a source of hematopoietic stem cells. Trends in Molecular Medicine, 2010, 16, 361-367.	3.5	43
72	Chromatin regulation by RUNX1. Blood Cells, Molecules, and Diseases, 2010, 44, 287-290.	0.6	22
73	The Transcription Factor Pax6 Regulates Survival of Dopaminergic Olfactory Bulb Neurons via Crystallin αA. Neuron, 2010, 68, 682-694.	3.8	98
74	Visualizing Blood Cell Emergence from Aortic Endothelium. Cell Stem Cell, 2010, 6, 289-290.	5.2	14

#	Article	IF	CITATIONS
75	A Bipotent Mesoderm Subset Identified via Colony-Forming Assay. Cell Stem Cell, 2010, 7, 643-644.	5 . 2	1
76	Nonredundant roles for Runx1 alternative promoters reflect their activity at discrete stages of developmental hematopoiesis. Blood, 2010, 115, 3042-3050.	0.6	70
77	Notch Signaling in the Regulation of Stem Cell Self-Renewal and Differentiation. Current Topics in Developmental Biology, 2010, 92, 367-409.	1.0	270
78	Human endothelial stem/progenitor cells, angiogenic factors and vascular repair. Journal of the Royal Society Interface, 2010, 7, S731-51.	1.5	53
79	Engineering a stem cell house into a home. Stem Cell Research and Therapy, 2011, 2, 3.	2.4	40
80	Hierarchical organization and early hematopoietic specification of the developing HSC lineage in the AGM region. Journal of Experimental Medicine, 2011, 208, 1305-1315.	4.2	223
81	Early Senescence Is Not an Inevitable Fate of Human-Induced Pluripotent Stem-Derived Cells. Cellular Reprogramming, 2011, 13, 361-370.	0.5	13
82	The role of meis1 in primitive and definitive hematopoiesis during zebrafish development. Haematologica, 2011, 96, 190-198.	1.7	33
83	Notch signaling in mammalian hematopoietic stem cells. Leukemia, 2011, 25, 1525-1532.	3.3	82
84	Continuous live imaging of adult neural stem cell division and lineage progression in vitro. Development (Cambridge), 2011, 138, 1057-1068.	1.2	139
85	Embryonic origin of the adult hematopoietic system: advances and questions. Development (Cambridge), 2011, 138, 1017-1031.	1.2	327
87	Towards a quantitative understanding of stem cell–niche interaction: Experiments, models, and technologies. Blood Cells, Molecules, and Diseases, 2011, 46, 308-317.	0.6	34
88	Maximum parsimony analysis of gene expression profiles permits the reconstruction of developmental cell lineage trees. Developmental Biology, 2011, 353, 440-447.	0.9	4
89	Pluripotency without Max. Cell Stem Cell, 2011, 9, 4-6.	5. 2	1
90	Wnt to Notch Relay Signaling Induces Definitive Hematopoiesis. Cell Stem Cell, 2011, 9, 2-4.	5.2	6
91	Erythroid/Myeloid Progenitors and Hematopoietic Stem Cells Originate from Distinct Populations of Endothelial Cells. Cell Stem Cell, 2011, 9, 541-552.	5.2	216
92	Historical Origins of Transdifferentiation and Reprogramming. Cell Stem Cell, 2011, 9, 504-516.	5. 2	171
93	Hemogenic endothelium: Origins, regulation, and implications for vascular biology. Seminars in Cell and Developmental Biology, 2011, 22, 1036-1047.	2.3	46

#	Article	IF	Citations
94	The ePetri dish, an on-chip cell imaging platform based on subpixel perspective sweeping microscopy (SPSM). Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16889-16894.	3.3	188
95	The Role of Endothelial Progenitor Cells in Vascular Repair after Arterial Injury and Atherosclerotic Plaque Development. Cardiovascular Therapeutics, 2011, 29, 125-139.	1.1	54
96	Endothelial progenitor cells as therapeutic agents in the microcirculation: An update. Atherosclerosis, 2011, 215, 9-22.	0.4	69
97	Chemicals Regulating Cardiomyocyte Differentiation. , 2011, , .		1
98	Molecular Imaging and Stem Cell Research. Molecular Imaging, 2011, 10, 7290.2010.00046.	0.7	19
99	Markers of Vascular Damage and Repair. , 0, , .		0
100	Leukocyte Telomere Dynamics, Human Aging, and Life Span. , 2011, , 163-176.		1
102	A Novel Validation Algorithm Allows for Automated Cell Tracking and the Extraction of Biologically Meaningful Parameters. PLoS ONE, 2011, 6, e27315.	1.1	55
103	The Role of Circulating Endothelial Progenitor Cells in Tumor Angiogenesis. Current Stem Cell Research and Therapy, 2011, 6, 115-121.	0.6	15
104	VEGF and FGF prime vascular tube morphogenesis and sprouting directed by hematopoietic stem cell cytokines. Blood, 2011, 117, 3709-3719.	0.6	115
105	Angiopoietin-1 promotes endothelial differentiation from embryonic stem cells and induced pluripotent stem cells. Blood, 2011, 118, 2094-2104.	0.6	43
106	Primitive erythropoiesis in infantile haemangioma. British Journal of Dermatology, 2011, 164, 1097-1100.	1.4	24
107	HoxA3 is an apical regulator of haemogenic endothelium. Nature Cell Biology, 2011, 13, 72-78.	4.6	72
108	Long-term single-cell imaging of mammalian stem cells. Nature Methods, 2011, 8, S30-S35.	9.0	161
109	Clonal interrogation of stem cells. Nature Methods, 2011, 8, S36-S40.	9.0	34
110	Dynamic niches in the origination and differentiation of haematopoietic stem cells. Nature Reviews Molecular Cell Biology, 2011, 12, 643-655.	16.1	268
111	Role of intimate interactions between endothelial cells and the surrounding accessory cells in the maturation of blood vessels. Journal of Thrombosis and Haemostasis, 2011, 9, 144-150.	1.9	14
112	Functionally defined substates within the human embryonic stem cell compartment. Stem Cell Research, 2011, 7, 145-153.	0.3	17

#	Article	IF	CITATIONS
113	Identification and characterization of a novel transcriptional target of RUNX1/AML1 at the onset of hematopoietic development. Blood, 2011, 118, 594-597.	0.6	10
114	Stem cells and the vasculature. Nature Medicine, 2011, 17, 1437-1443.	15.2	150
115	Hematopoietic stem cell development, aging and functional failure. International Journal of Hematology, 2011, 94, 3-10.	0.7	14
116	Resident Vascular Progenitor Cells—Diverse Origins, Phenotype, and Function. Journal of Cardiovascular Translational Research, 2011, 4, 161-176.	1.1	80
117	Endothelio-hematopoietic relationship: getting closer to the beginnings. BMC Biology, 2011, 9, 88.	1.7	9
118	Techniques for analysing pattern formation in populations of stem cells and their progeny. BMC Bioinformatics, 2011, 12, 396.	1.2	8
119	Brief Report: Efficient Generation of Hematopoietic Precursors and Progenitors from Human Pluripotent Stem Cell Lines. Stem Cells, 2011, 29, 1158-1164.	1.4	69
120	The Hemangioblast: From Concept to Authentication. Anatomical Record, 2011, 294, 580-588.	0.8	17
121	Multi-type branching models to describe cell differentiation programs. Journal of Theoretical Biology, 2011, 277, 7-18.	0.8	32
122	Embryonic Stem Cell-Derived Hematopoietic Stem Cells: Challenges in Development, Differentiation, and Immunogenicity. Current Topics in Medicinal Chemistry, 2011, 11, 1621-1637.	1.0	11
123	Plasticity and Maintenance of Hematopoietic Stem Cells During Development. Recent Patents on Biotechnology, 2011, 5, 40-53.	0.4	19
124	Vascular Wall as a Reservoir for Different Types of Stem and Progenitor Cells. Antioxidants and Redox Signaling, 2011, 15, 981-995.	2.5	94
125	Lentiviral Vector Design and Imaging Approaches to Visualize the Early Stages of Cellular Reprogramming. Molecular Therapy, 2011, 19, 782-789.	3.7	224
126	Microwell perfusion array for high-throughput, long-term imaging of clonal growth. Biomicrofluidics, 2011, 5, 44117-4411713.	1.2	18
127	Vertebrate neural stem cell segmentation, tracking and lineaging with validation and editing. Nature Protocols, 2011, 6, 1942-1952.	5.5	58
128	Differentiation of an embryonic stem cell to hemogenic endothelium by defined factors: essential role of bone morphogenetic protein 4. Development (Cambridge), 2011, 138, 2833-2843.	1.2	35
129	A Comprehensive Model of the Spatio-Temporal Stem Cell and Tissue Organisation in the Intestinal Crypt. PLoS Computational Biology, 2011, 7, e1001045.	1.5	155
130	RUNX1 reshapes the epigenetic landscape at the onset of haematopoiesis. EMBO Journal, 2012, 31, 4318-4333.	3.5	158

#	Article	IF	Citations
131	$TGF\hat{I}^2$ inhibition enhances the generation of hematopoietic progenitors from human ES cell-derived hemogenic endothelial cells using a stepwise strategy. Cell Research, 2012, 22, 194-207.	5.7	72
132	The vascular niche: home for normal and malignant hematopoietic stem cells. Leukemia, 2012, 26, 54-62.	3.3	119
133	Advances in tracking hematopoiesis at the single-cell level. Current Opinion in Hematology, 2012, 19, 243-249.	1.2	26
134	Regulation of endothelial and hematopoietic development by the ETS transcription factor Etv2. Current Opinion in Hematology, 2012, 19, 199-205.	1.2	35
135	Identification of in vitro HSC fate regulators by differential lipid raft clustering. Cell Cycle, 2012, 11, 1535-1543.	1.3	13
136	Dynamic expression of the Robo ligand Slit2 in bone marrow cell populations. Cell Cycle, 2012, 11, 675-682.	1.3	23
137	Enhanced Hematopoietic Differentiation Toward Erythrocytes from Murine Embryonic Stem Cells with HepG2-Conditioned Medium. Stem Cells and Development, 2012, 21, 3152-3161.	1,1	6
138	SOX7 regulates the expression of VE-cadherin in the haemogenic endothelium at the onset of haematopoietic development. Development (Cambridge), 2012, 139, 1587-1598.	1.2	70
139	Hematopoietic Stem Cell Development, Niches, and Signaling Pathways. Bone Marrow Research, 2012, 2012, 1-16.	1.7	77
140	Serum- and Stromal Cell-Free Hypoxic Generation of Embryonic Stem Cell-Derived Hematopoietic Cells In Vitro, Capable of Multilineage Repopulation of Immunocompetent Mice. Stem Cells Translational Medicine, 2012, 1, 581-591.	1.6	15
141	Hematopoietic stem cell engineering at a crossroads. Blood, 2012, 119, 1107-1116.	0.6	67
142	GFI1 and GFI1B control the loss of endothelial identity of hemogenic endothelium during hematopoietic commitment. Blood, 2012, 120, 314-322.	0.6	144
143	Endothelial cells provide an instructive niche for the differentiation and functional polarization of M2-like macrophages. Blood, 2012, 120, 3152-3162.	0.6	152
144	Regeneration of Cardiac Muscle and Hematopoietic Tissues. , 2012, , 161-182.		0
145	Molecular live cell bioimaging in stem cell research. Annals of the New York Academy of Sciences, 2012, 1266, 18-27.	1.8	13
146	Embryonic development of hematopoietic stem cells: implications for clinical use. Regenerative Medicine, 2012, 7, 349-368.	0.8	6
147	Hematopoiesis. Cold Spring Harbor Perspectives in Biology, 2012, 4, a008250-a008250.	2.3	133
148	Developmental cardiovascular biology meets regenerative medicine at Islet-1. Atherosclerosis, 2012, 223, 282-283.	0.4	0

#	Article	IF	CITATIONS
149	Scl Represses Cardiomyogenesis in Prospective Hemogenic Endothelium and Endocardium. Cell, 2012, 150, 590-605.	13.5	142
150	Identification of the Hemogenic Endothelial Progenitor and Its Direct Precursor in Human Pluripotent Stem Cell Differentiation Cultures. Cell Reports, 2012, 2, 553-567.	2.9	174
151	Neurosphere fate prediction: An analysis-synthesis approach for feature extraction. , 2012, , .		1
152	Origin of blood cells and HSC production in the embryo. Trends in Immunology, 2012, 33, 215-223.	2.9	76
153	Thrombin Receptor Regulates Hematopoiesis and Endothelial-to-Hematopoietic Transition. Developmental Cell, 2012, 22, 1092-1100.	3.1	38
154	Cell signalling pathways that mediate haematopoietic stem cell specification. International Journal of Biochemistry and Cell Biology, 2012, 44, 2175-2184.	1.2	12
155	A single cell bioengineering approach to elucidate mechanisms of adult stem cell self-renewal. Integrative Biology (United Kingdom), 2012, 4, 360-367.	0.6	16
156	The Notch Pathway in Hematopoietic Stem Cells. Current Topics in Microbiology and Immunology, 2012, 360, 1-18.	0.7	31
157	The Notch Ligand Delta-Like 4 Regulates Multiple Stages of Early Hemato-Vascular Development. PLoS ONE, 2012, 7, e34553.	1.1	11
158	Itga2b Regulation at the Onset of Definitive Hematopoiesis and Commitment to Differentiation. PLoS ONE, 2012, 7, e43300.	1.1	23
159	Morphology-based Features for Adaptive Mitosis Detection of In Vitro Stem Cell Tracking Data. Methods of Information in Medicine, 2012, 51, 449-456.	0.7	7
160	Developmental Biology of the Hematologic System. , 2012, , 1047-1055.		0
161	Life is a pattern: vascular assembly within the embryo. Frontiers in Bioscience - Elite, 2012, E4, 2269.	0.9	20
162	HOXB4 Can Enhance the Differentiation of Embryonic Stem Cells by Modulating the Hematopoietic Niche. Stem Cells, 2012, 30, 150-160.	1.4	25
163	Hemangioblast: an <i>in vitro</i> phantom. Wiley Interdisciplinary Reviews: Developmental Biology, 2012, 1, 603-608.	5.9	11
164	The Flk1-Cre-Mediated Deletion of ETV2 Defines Its Narrow Temporal Requirement During Embryonic Hematopoietic Development. Stem Cells, 2012, 30, 1521-1531.	1.4	49
165	ETV2 expression marks blood and endothelium precursors, including hemogenic endothelium, at the onset of blood development. Developmental Dynamics, 2012, 241, 1454-1464.	0.8	40
166	The embryonic origins of erythropoiesis in mammals. Blood, 2012, 119, 4828-4837.	0.6	154

#	Article	IF	CITATIONS
167	Delineating nuclear reprogramming. Protein and Cell, 2012, 3, 329-345.	4.8	3
168	Characterization of hemangioblast in umbilical arteries of mid-gestation mouse embryos. International Journal of Hematology, 2012, 95, 632-639.	0.7	1
169	On the symmetry of siblings: automated single-cell tracking to quantify the behavior of hematopoietic stem cells in a biomimetic setup. Experimental Hematology, 2012, 40, 119-130.e9.	0.2	36
170	Systemic <i>VHL</i> gene functions and the VHL disease. FEBS Letters, 2012, 586, 1562-1569.	1.3	70
171	Multiâ€scale modeling of GMP differentiation based on singleâ€eell genealogies. FEBS Journal, 2012, 279, 3488-3500.	2.2	19
172	On the origin of hematopoietic stem cells: Progress and controversy. Stem Cell Research, 2012, 8, 1-13.	0.3	43
173	The vascular origin of hematopoietic cells. Developmental Biology, 2012, 362, 1-10.	0.9	25
174	Mapping mouse hemangioblast maturation from headfold stages. Developmental Biology, 2012, 365, 1-13.	0.9	11
175	Efficient and simultaneous generation of hematopoietic and vascular progenitors from human induced pluripotent stem cells. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2013, 83A, 114-126.	1.1	37
176	Cardiac-like flow generator for long-term imaging of endothelial cell responses to circulatory pulsatile flow at microscale. Lab on A Chip, 2013, 13, 2999.	3.1	61
177	General Concepts of Blood Vessel Formation and Remodeling. , 2013, , 1-23.		2
178	Notch1 activation in embryonic VE-cadherin populations selectively blocks hematopoietic stem cell generation and fetal liver hematopoiesis. Transgenic Research, 2013, 22, 403-410.	1.3	10
179	Coronary Vasculature. , 2013, , .		12
180	The Balance of Positive and Negative Effects of TGF- \hat{l}^2 Signaling Regulates the Development of Hematopoietic and Endothelial Progenitors in Human Pluripotent Stem Cells. Stem Cells and Development, 2013, 22, 2765-2776.	1.1	29
181	Generation of Hematopoietic Stem Cells from Purified Embryonic Endothelial Cells by a Simple and Efficient Strategy. Journal of Genetics and Genomics, 2013, 40, 557-563.	1.7	10
182	Hemogenic endothelium: A vessel for blood production. International Journal of Biochemistry and Cell Biology, 2013, 45, 692-695.	1.2	23
183	A short history of hemogenic endothelium. Blood Cells, Molecules, and Diseases, 2013, 51, 206-212.	0.6	62
184	An automatic method for robust and fast cell detection in bright field images from high-throughput microscopy. BMC Bioinformatics, 2013, 14, 297.	1.2	117

#	ARTICLE	IF	Citations
185	Retinoic Acid Signaling Is Essential for Embryonic Hematopoietic Stem Cell Development. Cell, 2013, 155, 215-227.	13.5	170
186	Hematopoietic specification from human pluripotent stem cells: current advances and challenges toward de novo generation of hematopoietic stem cells. Blood, 2013, 122, 4035-4046.	0.6	117
187	Signaling axis involving Hedgehog, Notch, and Scl promotes the embryonic endothelial-to-hematopoietic transition. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E141-E150.	3.3	58
188	Biomechanical force in blood development: Extrinsic physical cues drive pro-hematopoietic signaling. Differentiation, 2013, 86, 92-103.	1.0	45
189	Common Developmental Pathway for Primitive Erythrocytes and Multipotent Hematopoietic Progenitors in Early Mouse Development. Stem Cell Reports, 2013, 1, 590-603.	2.3	10
190	Onset of heterogeneity in culture-expanded bone marrow stromal cells. Stem Cell Research, 2013, 11, 1365-1377.	0.3	78
191	Endothelio-Mesenchymal Interaction Controls runx1 Expression and Modulates the notch Pathway to Initiate Aortic Hematopoiesis. Developmental Cell, 2013, 24, 600-611.	3.1	91
192	Jmjd3 Controls Mesodermal and Cardiovascular Differentiation of Embryonic Stem Cells. Circulation Research, 2013, 113, 856-862.	2.0	78
193	How studies on the avian embryo have opened new avenues in the understanding of development: A view about the neural and hematopoietic systems. Development Growth and Differentiation, 2013, 55, 1-14.	0.6	30
195	Concise Review: Early Embryonic Erythropoiesis: Not so Primitive After All. Stem Cells, 2013, 31, 849-856.	1.4	34
196	Potential of ES Cell Differentiation Culture for Vascular Biology. , 2013, , 409-414.		0
197	Hematopoiesis. Biomathematical and Biomechanical Modeling of the Circulatory and Ventilatory Systems, 2013, , 19-52.	0.1	0
198	Signalling pathways that control vertebrate haematopoietic stem cell specification. Nature Reviews Immunology, 2013, 13, 336-348.	10.6	126
199	Trnp1 Regulates Expansion and Folding of the Mammalian Cerebral Cortex by Control of Radial Glial Fate. Cell, 2013, 153, 535-549.	13.5	238
200	The expression of Sox17 identifies and regulates haemogenic endothelium. Nature Cell Biology, 2013, 15, 502-510.	4.6	143
201	Induction of a Hemogenic Program in Mouse Fibroblasts. Cell Stem Cell, 2013, 13, 205-218.	5.2	195
202	Oligodendrogliogenic and neurogenic adult subependymal zone neural stem cells constitute distinct lineages and exhibit differential responsiveness to Wnt signalling. Nature Cell Biology, 2013, 15, 602-613.	4.6	211
203	Mathematical model of a gene regulatory network reconciles effects of genetic perturbations on hematopoietic stem cell emergence. Developmental Biology, 2013, 379, 258-269.	0.9	21

#	Article	IF	Citations
204	Early dynamic fate changes in haemogenic endothelium characterized at the single-cell level. Nature Communications, 2013, 4, 2924.	5.8	158
205	Transcriptional hierarchies regulating early blood cell development. Blood Cells, Molecules, and Diseases, 2013, 51, 239-247.	0.6	18
206	Endothelial Cell Origin, Differentiation, Heterogeneity and Function., 2013,, 3-26.		3
207	Probing cellular processes by long-term live imaging $\hat{a} \in$ historic problems and current solutions. Journal of Cell Science, 2013, 126, 3805-15.	1.2	99
208	Shear stress during early embryonic stem cell differentiation promotes hematopoietic and endothelial phenotypes. Biotechnology and Bioengineering, 2013, 110, 1231-1242.	1.7	85
209	Dissecting genealogy and cell cycle as sources of cell-to-cell variability in MAPK signaling using high-throughput lineage tracking. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 11403-11408.	3.3	43
210	Incomplete cytokinesis and re-fusion of small mononucleated Hodgkin cells lead to giant multinucleated Reed–Sternberg cells. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 20729-20734.	3.3	69
211	Hemogenic endothelium specification and hematopoietic stem cell maintenance employ distinct Scl isoforms. Development (Cambridge), 2013, 140, 3977-3985.	1.2	60
212	Mouse extraembryonic arterial vessels harbor precursors capable of maturing into definitive HSCs. Blood, 2013, 122, 2338-2345.	0.6	84
213	Human ESC-derived hemogenic endothelial cells undergo distinct waves of endothelial to hematopoietic transition. Blood, 2013, 121, 770-780.	0.6	78
214	RUNX1a enhances hematopoietic lineage commitment from human embryonic stem cells and inducible pluripotent stem cells. Blood, 2013, 121, 2882-2890.	0.6	111
215	Stem Cell Technologies Based on Hemangioblast Technology Focusing on Human Blood Cells. Recent Patents on Drug Delivery and Formulation, 2013, 7, 4-8.	2.1	2
216	Time-lapse Imaging of Primary Preneoplastic Mammary Epithelial Cells Derived from Genetically Engineered Mouse Models of Breast Cancer. Journal of Visualized Experiments, 2013, , .	0.2	3
217	The smallest unit: effector and memory CD8+ T cell differentiation on the single cell level. Frontiers in Immunology, 2013, 4, 31.	2.2	25
218	Labour-Efficient In Vitro Lymphocyte Population Tracking and Fate Prediction Using Automation and Manual Review. PLoS ONE, 2014, 9, e83251.	1.1	7
219	Automated, contour-based tracking and analysis of cell behaviour over long time scales in environments of varying complexity and cell density. Journal of the Royal Society Interface, 2014, 11, 20140386.	1.5	25
220	Lysophosphatidic acid acts as a nutrientâ€derived developmental cue to regulate early hematopoiesis. EMBO Journal, 2014, 33, 1383-1396.	3.5	20
221	Application of Fluid Mechanical Force to Embryonic Sources of Hemogenic Endothelium and Hematopoietic Stem Cells. Methods in Molecular Biology, 2014, 1212, 183-193.	0.4	7

#	ARTICLE	IF	CITATIONS
222	Hematopoietic Stem Cells., 2014,, 989-1040.		2
223	Lymphoid Progenitor Emergence in the Murine Embryo and Yolk Sac Precedes Stem Cell Detection. Stem Cells and Development, 2014, 23, 1168-1177.	1.1	56
224	Early Exposure of Murine Embryonic Stem Cells to Hematopoietic Cytokines Differentially Directs Definitive Erythropoiesis and Cardiomyogenesis in Alginate Hydrogel Three-Dimensional Cultures. Stem Cells and Development, 2014, 23, 2720-2729.	1.1	4
225	Cell interactions and cell signaling during hematopoietic development. Experimental Cell Research, 2014, 329, 200-206.	1.2	18
226	Human induced pluripotent stem cell derived erythroblasts can undergo definitive erythropoiesis and coâ€express gamma and beta globins. British Journal of Haematology, 2014, 166, 435-448.	1,2	35
227	Embryonic Stem Cell Differentiation – A Model System to Study Embryonic Haematopoiesis. , 2014, , .		0
229	Human Pancreatic Cancer-Associated Stellate Cells Remain Activated after in vivo Chemoradiation. Frontiers in Oncology, 2014, 4, 102.	1.3	29
230	RUNX1 positively regulates a cell adhesion and migration program in murine hemogenic endothelium prior to blood emergence. Blood, 2014, 124, e11-e20.	0.6	61
231	Bone Marrow Vascular Niche: Home for Hematopoietic Stem Cells. Bone Marrow Research, 2014, 2014, 1-8.	1.7	58
232	The bone marrow niche, stem cells, and leukemia: impact of drugs, chemicals, and the environment. Annals of the New York Academy of Sciences, 2014, 1310, 7-31.	1.8	54
234	Quantitative Single-Cell Approaches to Stem Cell Research. Cell Stem Cell, 2014, 15, 546-558.	5.2	112
235	Endothelial cells translate pathogen signals into G-CSF–driven emergency granulopoiesis. Blood, 2014, 124, 1393-1403.	0.6	221
236	Computational Modeling and Stem Cell Engineering. Science Policy Reports, 2014, , 65-97.	0.1	0
237	Single-cell technologies sharpen up mammalian stem cell research. Nature Cell Biology, 2014, 16, 919-927.	4.6	103
238	From transplantation to transgenics: Mouse models of developmental hematopoiesis. Experimental Hematology, 2014, 42, 707-716.	0.2	12
239	Developmental hematopoiesis: Ontogeny, genetic programming and conservation. Experimental Hematology, 2014, 42, 669-683.	0.2	110
241	Reprogramming human endothelial cells to haematopoietic cells requires vascular induction. Nature, 2014, 511, 312-318.	13.7	211
242	Cooperative interaction of Etv2 and Gata2 regulates the development of endothelial and hematopoietic lineages. Developmental Biology, 2014, 389, 208-218.	0.9	51

#	Article	IF	CITATIONS
243	Endothelial Progenitor Cells Derived from Cord or Peripheral Blood and Their Potential for Regenerative Therapies. , 2014, , 37-51.		2
244	A microfluidic device towards shear stress analysis of clonal expanded endothelial cells. Journal of Biomechanical Science and Engineering, 2014, 9, JBSE0006-JBSE0006.	0.1	1
245	Clonal analysis identifies hemogenic endothelium as the source of the blood-endothelial common lineage in the mouse embryo. Blood, 2014, 124, 2523-2532.	0.6	69
246	The Runx-PU.1 pathway preserves normal and AML/ETO9a leukemic stem cells. Blood, 2014, 124, 2391-2399.	0.6	32
247	A lineage of diploid platelet-forming cells precedes polyploid megakaryocyte formation in the mouse embryo. Blood, 2014, 124, 2725-2729.	0.6	52
248	Progressive maturation toward hematopoietic stem cells in the mouse embryo aorta. Blood, 2015, 125, 465-469.	0.6	64
249	Hematopoietic stem cells develop in the absence of endothelial cadherin 5 expression. Blood, 2015, 126, 2811-2820.	0.6	20
250	Inference of spatiotemporal effects on cellular state transitions from time-lapse microscopy. BMC Systems Biology, 2015, 9, 61.	3.0	3
251	Engineering the hematopoietic stem cell niche: Frontiers in biomaterial science. Biotechnology Journal, 2015, 10, 1529-1545.	1.8	81
252	Loss of neurofibromin Ras-GAP activity enhances the formation of cardiac blood islands in murine embryos. ELife, 2015, 4, e07780.	2.8	15
253	Blood and Lymphatic Vessel Formation. Cold Spring Harbor Perspectives in Biology, 2015, 7, a008268.	2.3	52
254	Spatially and temporally controlled immune cell interactions using microscale tools. Current Opinion in Immunology, 2015, 35, 23-29.	2.4	12
255	Development and trafficking function of haematopoietic stem cells and myeloid cells during fetal ontogeny. Cardiovascular Research, 2015, 107, 352-363.	1.8	11
256	Characterization of connective tissue progenitors through phase contrast and multicolor fluorescence time-lapse microscopy. Proceedings of SPIE, 2015, , .	0.8	1
257	Computational Image Analysis Reveals Intrinsic Multigenerational Differences between Anterior and Posterior Cerebral Cortex Neural Progenitor Cells. Stem Cell Reports, 2015, 5, 609-620.	2.3	27
258	Biobanks for Induced Pluripotent Stem Cells and Reprogrammed Tissues. , 2015, , 179-194.		0
259	Human Induced Pluripotent Stem Cell-Derived B Lymphocytes Express slgM and Can Be Generated via a Hemogenic Endothelium Intermediate. Stem Cells and Development, 2015, 24, 1082-1095.	1.1	48
260	Global Linking of Cell Tracks Using the Viterbi Algorithm. IEEE Transactions on Medical Imaging, 2015, 34, 911-929.	5.4	153

#	ARTICLE	IF	Citations
261	InÂVivo Repopulating Activity Emerges at the Onset of Hematopoietic Specification during Embryonic Stem Cell Differentiation. Stem Cell Reports, 2015, 4, 431-444.	2.3	47
262	The RUNX1–PU.1 axis in the control of hematopoiesis. International Journal of Hematology, 2015, 101, 319-329.	0.7	78
263	Creating cellular diversity through transcription factor competition. EMBO Journal, 2015, 34, 691-693.	3.5	1
264	Single-cell resolution of morphological changes in hemogenic endothelium. Development (Cambridge), 2015, 142, 2719-2724.	1.2	30
265	Repression of arterial genes in hemogenic endothelium is sufficient for haematopoietic fate acquisition. Nature Communications, 2015, 6, 7739.	5.8	112
266	Stem Cell Renewal and Cell-Cell Communication. Methods in Molecular Biology, 2015, 1212, v.	0.4	0
267	De novo generation of HSCs from somatic and pluripotent stem cell sources. Blood, 2015, 125, 2641-2648.	0.6	97
268	Real-time monitoring of cell migration, phagocytosis and cell surface receptor dynamics using a novel, live-cell opto-microfluidic technique. Analytica Chimica Acta, 2015, 872, 95-99.	2.6	8
269	Biomechanical forces promote blood development through prostaglandin E2 and the cAMP–PKA signaling axis. Journal of Experimental Medicine, 2015, 212, 665-680.	4.2	74
270	Notch1 acts via Foxc2 to promote definitive hematopoiesis via effects on hemogenic endothelium. Blood, 2015, 125, 1418-1426.	0.6	40
271	Development of Hematopoietic Stem and Progenitor Cells From Human Pluripotent Stem Cells. Journal of Cellular Biochemistry, 2015, 116, 1179-1189.	1.2	24
272	The Notch ligand DLL4 specifically marks human hematoendothelial progenitors and regulates their hematopoietic fate. Leukemia, 2015, 29, 1741-1753.	3.3	48
273	The first wave of B lymphopoiesis develops independently of stem cells in the murine embryo. Annals of the New York Academy of Sciences, 2015, 1362, 16-22.	1.8	20
274	Network plasticity of pluripotency transcription factors in embryonic stem cells. Nature Cell Biology, 2015, 17, 1235-1246.	4.6	130
275	Inflammation-Induced Emergency Megakaryopoiesis Driven by Hematopoietic Stem Cell-like Megakaryocyte Progenitors. Cell Stem Cell, 2015, 17, 422-434.	5.2	353
276	In Vitro Differentiation of Embryonic Stem Cells into Hematopoietic Lineage: Towards Erythroid Progenitor's Production. Methods in Molecular Biology, 2015, 1341, 217-234.	0.4	O
277	CEND1 and NEUROGENIN2 Reprogram Mouse Astrocytes and Embryonic Fibroblasts to Induced Neural Precursors and Differentiated Neurons. Stem Cell Reports, 2015, 5, 405-418.	2.3	28
278	FOXF1 inhibits hematopoietic lineage commitment during early mesoderm specification. Development (Cambridge), 2015, 142, 3307-20.	1.2	10

#	Article	IF	CITATIONS
279	On signaling pathways: hematopoietic stem cell specification from hemogenic endothelium. Science China Life Sciences, 2015, 58, 1256-1261.	2.3	7
280	Ontogeny of the Hematopoietic System. , 2016, , 1-14.		6
281	Single T Cell Potential. , 2016, , 384-389.		0
282	Cellular Reprogramming Using Defined Factors and MicroRNAs. Stem Cells International, 2016, 2016, 1-12.	1.2	27
283	Isolation of an ES-Derived Cardiovascular Multipotent Cell Population Based on VE-Cadherin Promoter Activity. Stem Cells International, 2016, 2016, 1-14.	1.2	3
284	Live Imaging of Adult Neural Stem Cells in Rodents. Frontiers in Neuroscience, 2016, 10, 78.	1.4	17
285	c-Met–mediated endothelial plasticity drives aberrant vascularization and chemoresistance in glioblastoma. Journal of Clinical Investigation, 2016, 126, 1801-1814.	3.9	92
286	Software tools for single-cell tracking and quantification of cellular and molecular properties. Nature Biotechnology, 2016, 34, 703-706.	9.4	162
287	New insights into the regulation by RUNX1 and GFI1(s) proteins of the endothelial to hematopoietic transition generating primordial hematopoietic cells. Cell Cycle, 2016, 15, 2108-2114.	1.3	18
288	CXCR4 Signaling Negatively Modulates the Bipotential State of Hemogenic Endothelial Cells Derived from Embryonic Stem Cells by Attenuating the Endothelial Potential. Stem Cells, 2016, 34, 2814-2824.	1.4	7
289	Advancing haematopoietic stem and progenitor cell biology through single ell profiling. FEBS Letters, 2016, 590, 4052-4067.	1.3	6
290	Endothelialâ€toâ€hematopoietic transition: Notchâ€ing vessels into blood. Annals of the New York Academy of Sciences, 2016, 1370, 97-108.	1.8	14
291	EphrinB2 regulates the emergence of a hemogenic endothelium from the aorta. Scientific Reports, 2016, 6, 27195.	1.6	20
292	Cooperative binding of AP-1 and TEAD4 modulates the balance between vascular smooth muscle and hemogenic cell fate. Development (Cambridge), 2016, 143, 4324-4340.	1.2	43
294	Continuous single cell imaging reveals sequential steps of plasmacytoid dendritic cell development from common dendritic cell progenitors. Scientific Reports, 2016, 6, 37462.	1.6	20
295	Activation of the TGF \hat{I}^2 pathway impairs endothelial to haematopoietic transition. Scientific Reports, 2016, 6, 21518.	1.6	33
297	Identification of novel genes and networks governing hematopoietic stem cell development. EMBO Reports, 2016, 17, 1814-1828.	2.0	11
298	Specification and function of hemogenic endothelium during embryogenesis. Cellular and Molecular Life Sciences, 2016, 73, 1547-1567.	2.4	92

#	Article	IF	Citations
299	Fate Mapping and Quantitation of Hematopoiesis In Vivo. Annual Review of Immunology, 2016, 34, 449-478.	9.5	57
300	Origin of the hematopoietic system in the human embryo. FEBS Letters, 2016, 590, 3987-4001.	1.3	33
301	Molecular Signaling Pathways Controlling Vascular Tube Morphogenesis and Pericyte-Induced Tube Maturation in 3D Extracellular Matrices. Advances in Pharmacology, 2016, 77, 241-280.	1.2	26
302	Taking the Leap. Current Topics in Developmental Biology, 2016, 118, 113-162.	1.0	26
303	Progress towards generation of human haematopoietic stem cells. Nature Cell Biology, 2016, 18, 1111-1117.	4.6	68
304	Chromatin programming by developmentally regulated transcription factors: lessons from the study of haematopoietic stem cell specification and differentiation. FEBS Letters, 2016, 590, 4105-4115.	1.3	13
305	Hematopoietic (stem) cell development â€" how divergent are the roads taken?. FEBS Letters, 2016, 590, 3975-3986.	1.3	25
306	Emerging concepts for the <i>in vitro</i> derivation of murine haematopoietic stem and progenitor cells. FEBS Letters, 2016, 590, 4116-4125.	1.3	8
307	Detection of activity of single microalgae cells in a new microfluidic cell capturing chip. Measurement Science and Technology, 2016, 27, 125701.	1.4	11
308	Analysis of Cell Lineage Trees by Exact Bayesian Inference Identifies Negative Autoregulation of Nanog in Mouse Embryonic Stem Cells. Cell Systems, 2016, 3, 480-490.e13.	2.9	30
309	LYVE1 Marks the Divergence of Yolk Sac Definitive Hemogenic Endothelium from the Primitive Erythroid Lineage. Cell Reports, 2016, 17, 2286-2298.	2.9	57
310	Generating human hematopoietic stem cells ⟨i⟩in vitro⟨ i⟩ â€"exploring endothelial to hematopoietic transition as a portal for stemness acquisition. FEBS Letters, 2016, 590, 4126-4143.	1.3	44
311	Identification of factors promoting ex vivo maintenance of mouse hematopoietic stem cells by long-term single-cell quantification. Blood, 2016, 128, 1181-1192.	0.6	31
312	Concise Review: Recent Advances in the In Vitro Derivation of Blood Cell Populations. Stem Cells Translational Medicine, 2016, 5, 1330-1337.	1.6	19
313	Insights into blood cell formation from hemogenic endothelium in lesserâ€known anatomic sites. Developmental Dynamics, 2016, 245, 1011-1028.	0.8	49
314	Early myeloid lineage choice is not initiated by random PU.1 to GATA1 protein ratios. Nature, 2016, 535, 299-302.	13.7	180
315	Challenges in long-term imaging and quantification of single-cell dynamics. Nature Biotechnology, 2016, 34, 1137-1144.	9.4	178
316	Generation and Analysis of GATA2 w/eGFP Human ESCs Reveal ITGB3/CD61 as a Reliable Marker for Defining Hemogenic Endothelial Cells during Hematopoiesis. Stem Cell Reports, 2016, 7, 854-868.	2.3	22

#	Article	IF	Citations
317	Quantifying intrinsic and extrinsic control of single-cell fates in cancer and stem/progenitor cell pedigrees with competing risks analysis. Scientific Reports, 2016, 6, 27100.	1.6	11
318	Definitive Hematopoiesis in the Yolk Sac Emerges from Wnt-Responsive Hemogenic Endothelium Independently of Circulation and Arterial Identity. Stem Cells, 2016, 34, 431-444.	1.4	141
319	Single step synthesized sulfur and nitrogen doped carbon nanodots from whey protein: nanoprobes for longterm cell tracking crossing the barrier of photo-toxicity. RSC Advances, 2016, 6, 60794-60805.	1.7	19
320	A Multi-Lineage Screen Reveals mTORC1 Inhibition Enhances Human Pluripotent Stem Cell Mesendoderm and Blood Progenitor Production. Stem Cell Reports, 2016, 6, 679-691.	2.3	27
321	Cyclic AMP Signaling through Epac Axis Modulates Human Hemogenic Endothelium and Enhances Hematopoietic Cell Generation. Stem Cell Reports, 2016, 6, 692-703.	2.3	20
322	T Cell Fate at the Single-Cell Level. Annual Review of Immunology, 2016, 34, 65-92.	9.5	131
323	The European Hematology Association Roadmap for European Hematology Research: a consensus document. Haematologica, 2016, 101, 115-208.	1.7	67
324	Macrophage precursor cells from the left atrial appendage of the heart spontaneously reprogram into a C-kit+/CD45â^3 stem cell-like phenotype. International Journal of Cardiology, 2016, 209, 296-306.	0.8	10
325	Hematopoietic Reprogramming InÂVitro Informs InÂVivo Identification of Hemogenic Precursors to Definitive Hematopoietic Stem Cells. Developmental Cell, 2016, 36, 525-539.	3.1	34
326	An <i>in vitro</i> model of hemogenic endothelium commitment and hematopoietic production. Development (Cambridge), 2016, 143, 1302-12.	1.2	15
327	Development and differentiation of the erythroid lineage in mammals. Developmental and Comparative Immunology, 2016, 58, 18-29.	1.0	38
329	GFI1 proteins orchestrate the emergence of haematopoietic stem cells through recruitment of LSD1. Nature Cell Biology, 2016, 18, 21-32.	4.6	172
330	Definitive Hematopoietic Multipotent Progenitor Cells Are Transiently Generated From Hemogenic Endothelial Cells in Human Pluripotent Stem Cells. Journal of Cellular Physiology, 2016, 231, 1065-1076.	2.0	10
331	A Survey of Visualization for Live Cell Imaging. Computer Graphics Forum, 2017, 36, 46-63.	1.8	14
332	Studying hematopoiesis using single-cell technologies. Journal of Hematology and Oncology, 2017, 10, 27.	6.9	39
333	Transcriptional regulation of Hhex in hematopoiesis and hematopoietic stem cell ontogeny. Developmental Biology, 2017, 424, 236-245.	0.9	11
334	fastER: a user-friendly tool for ultrafast and robust cell segmentation in large-scale microscopy. Bioinformatics, 2017, 33, 2020-2028.	1.8	58
335	The role of Wnt signaling in hematopoietic stem cell development. Critical Reviews in Biochemistry and Molecular Biology, 2017, 52, 414-424.	2.3	54

#	Article	IF	Citations
336	Evidence for a Mesothelial Origin of Body Cavity Effusion Lymphomas. Journal of the National Cancer Institute, $2017,109,$	3.0	9
337	Engineering the haemogenic niche mitigates endogenous inhibitory signals and controls pluripotent stem cell-derived blood emergence. Nature Communications, 2017, 8, 15380.	5.8	21
338	Singleâ€cell analyses to reveal hematopoietic stem cell fate decisions. FEBS Letters, 2017, 591, 2195-2212.	1.3	17
339	The Role of Runx1 in Embryonic Blood Cell Formation. Advances in Experimental Medicine and Biology, 2017, 962, 47-64.	0.8	47
340	The Emerging Roles of RUNX Transcription Factors in Epithelial-Mesenchymal Transition. Advances in Experimental Medicine and Biology, 2017, 962, 471-489.	0.8	8
341	Hemangioblast, hemogenic endothelium, and primitive versus definitive hematopoiesis. Experimental Hematology, 2017, 49, 19-24.	0.2	97
342	Quantitative label-free single cell tracking in 3D biomimetic matrices. Scientific Reports, 2017, 7, 14135.	1.6	19
343	Endothelial to haematopoietic transition contributes to pulmonary arterial hypertension. Cardiovascular Research, 2017, 113, 1560-1573.	1.8	20
344	Embryonic hematopoiesis under microscopic observation. Developmental Biology, 2017, 428, 318-327.	0.9	18
345	Etv2 as an essential regulator of mesodermal lineage development. Cardiovascular Research, 2017, 113, 1294-1306.	1.8	41
346	Let-7 microRNA-dependent control of leukotriene signaling regulates the transition of hematopoietic niche in mice. Nature Communications, 2017, 8, 128.	5.8	14
347	Human haematopoietic stem cell development: from the embryo to the dish. Development (Cambridge), 2017, 144, 2323-2337.	1.2	195
348	Neurovascular EGFL7 regulates adult neurogenesis in the subventricular zone and thereby affects olfactory perception. Nature Communications, 2017, 8, 15922.	5.8	24
349	Concise Review: Paracrine Functions of Vascular Niche Cells in Regulating Hematopoietic Stem Cell Fate. Stem Cells Translational Medicine, 2017, 6, 482-489.	1.6	23
350	Tracking the origin, development, and differentiation of hematopoietic stem cells. Current Opinion in Cell Biology, 2017, 49, 108-115.	2.6	19
351	Nkx2.5 marks angioblasts that contribute to hemogenic endothelium of the endocardium and dorsal aorta. ELife, 2017, 6, .	2.8	27
352	Hematopoietic stem cell development. Methods in Cell Biology, 2017, 138, 165-192.	0.5	22
353	HOXB4 Promotes Hemogenic Endothelium Formation without Perturbing Endothelial Cell Development. Stem Cell Reports, 2018, 10, 875-889.	2.3	20

#	Article	IF	CITATIONS
354	Single-Cell Resolution of T Cell Immune Responses. Advances in Immunology, 2018, 137, 1-41.	1.1	8
355	A novel biocompatible zwitterionic polyurethane with AIE effect for cell imaging in living cells. RSC Advances, 2018, 8, 6798-6804.	1.7	13
356	Mechanism of hematopoiesis and vasculogenesis in mouse placenta. Placenta, 2018, 69, 140-145.	0.7	22
357	HDAC1 and HDAC2 Modulate TGF- \hat{l}^2 Signaling during Endothelial-to-Hematopoietic Transition. Stem Cell Reports, 2018, 10, 1369-1383.	2.3	28
358	Mouse and human HSPC immobilization in liquid culture by CD43- or CD44-antibody coating. Blood, 2018, 131, 1425-1429.	0.6	26
359	Maturation of hematopoietic stem cells from prehematopoietic stem cells is accompanied by up-regulation of PD-L1. Journal of Experimental Medicine, 2018, 215, 645-659.	4.2	19
360	The $TGF\hat{l}^2$ pathway is a key player for the endothelial-to-hematopoietic transition in the embryonic aorta. Developmental Biology, 2018, 434, 292-303.	0.9	11
361	Blood Development: Hematopoietic Stem Cell Dependence and Independence. Cell Stem Cell, 2018, 22, 639-651.	5.2	271
362	Regulation of RUNX1 dosage is crucial for efficient blood formation from hemogenic endothelium. Development (Cambridge), 2018, 145, .	1.2	38
363	Transforming growth factor \hat{l}^21 regulates the nascent hematopoietic stem cell niche by promoting gluconeogenesis. Leukemia, 2018, 32, 479-491.	3.3	17
364	Single cell analysis of normal and leukemic hematopoiesis. Molecular Aspects of Medicine, 2018, 59, 85-94.	2.7	53
365	ldentification of a new <i>adtrp1â€tfpi</i> regulatory axis for the specification of primitive myelopoiesis and definitive hematopoiesis. FASEB Journal, 2018, 32, 183-194.	0.2	13
366	Hematopoietic Stem Cell Biology. , 2018, , 95-110.e13.		0
367	Single Cell Resolution of Human Hematoendothelial Cells Defines Transcriptional Signatures of Hemogenic Endothelium. Stem Cells, 2018, 36, 206-217.	1.4	24
368	RUNX1 and the endothelial origin of blood. Experimental Hematology, 2018, 68, 2-9.	0.2	68
369	Insights into Endothelial Progenitor Cells: Origin, Classification, Potentials, and Prospects. Stem Cells International, 2018, 2018, 1-24.	1.2	142
370	Artificial niche microarrays for identifying extrinsic cell-fate determinants. Methods in Cell Biology, 2018, 148, 51-69.	0.5	6
371	Single-cell transcriptomics reveals a new dynamical function of transcription factors during embryonic hematopoiesis. ELife, 2018, 7, .	2.8	38

#	Article	IF	CITATIONS
372	FPGA Implementation for the Linking of Cell Tracks Using New Structure Algorithm. , 2018, , .		0
373	Single-cell transcriptomics reveal the dynamic of haematopoietic stem cell production in the aorta. Nature Communications, 2018, 9, 2517.	5.8	99
374	Automated Microfluidic System for Dynamic Stimulation and Tracking of Single Cells. Analytical Chemistry, 2018, 90, 10695-10700.	3.2	29
375	Lineage marker synchrony in hematopoietic genealogies refutes the PU.1/GATA1 toggle switch paradigm. Nature Communications, 2018, 9, 2697.	5.8	24
376	WNT9A Is a Conserved Regulator of Hematopoietic Stem and Progenitor Cell Development. Genes, 2018, 9, 66.	1.0	19
377	The Co-operation of RUNX1 with LDB1, CDK9 and BRD4 Drives Transcription Factor Complex Relocation During Haematopoietic Specification. Scientific Reports, 2018, 8, 10410.	1.6	22
378	Making HSCs in vitro: don't forget the hemogenic endothelium. Blood, 2018, 132, 1372-1378.	0.6	18
379	Cell tracking <i>in vitro</i> reveals that the extracellular matrix glycoprotein Tenascin-C modulates cell cycle length and differentiation in neural stem/progenitor cells of the developing mouse spinal cord. Biology Open, 2018, 7, .	0.6	13
380	Definitive Erythropoiesis from Pluripotent Stem Cells: Recent Advances and Perspectives. Advances in Experimental Medicine and Biology, 2018, 1107, 1-13.	0.8	5
381	Caudal dorsal artery generates hematopoietic stem and progenitor cells via the endothelial-to-hematopoietic transition in zebrafish. Journal of Genetics and Genomics, 2018, 45, 315-324.	1.7	12
382	Ultra-sensitive digital quantification of proteins and mRNA in single cells. Nature Communications, 2019, 10, 3544.	5.8	44
383	SNARE protein SEC22B regulates early embryonic development. Scientific Reports, 2019, 9, 11434.	1.6	7
384	Vitamin C–dependent lysine demethylase 6 (KDM6)-mediated demethylation promotes a chromatin state that supports the endothelial-to-hematopoietic transition. Journal of Biological Chemistry, 2019, 294, 13657-13670.	1.6	35
385	Asymmetric lysosome inheritance predicts activation of haematopoietic stem cells. Nature, 2019, 573, 426-429.	13.7	123
386	Understanding the Journey of Human Hematopoietic Stem Cell Development. Stem Cells International, 2019, 2019, 1-13.	1.2	22
387	Development of Hematopoietic Stem Cells in the Early Mammalian Embryo. Biochemistry (Moscow), 2019, 84, 190-204.	0.7	11
388	Iron deficiency disrupts embryonic haematopoiesis but not the endothelial to haematopoietic transition. Scientific Reports, 2019, 9, 6414.	1.6	11
389	Endothelial-to-haematopoietic transition: an update on the process of making blood. Biochemical Society Transactions, 2019, 47, 591-601.	1.6	62

#	Article	IF	Citations
390	Development of the hematopoietic system: Role of inflammatory factors. Wiley Interdisciplinary Reviews: Developmental Biology, 2019, 8, e341.	5.9	11
391	Understanding cell fate control by continuous single-cell quantification. Blood, 2019, 133, 1406-1414.	0.6	22
392	Chasing Mavericks: The quest for defining developmental waves of hematopoiesis. Current Topics in Developmental Biology, 2019, 132, 1-29.	1.0	15
393	RUNX transcription factors: orchestrators of development. Development (Cambridge), 2019, 146, .	1.2	146
394	VE-Cadherin and ACE Co-Expression Marks Highly Proliferative Hematopoietic Stem Cells in Human Embryonic Liver. Stem Cells and Development, 2019, 28, 165-185.	1.1	6
395	Combined Single-Cell Profiling of IncRNAs and Functional Screening Reveals that H19 Is Pivotal for Embryonic Hematopoietic Stem Cell Development. Cell Stem Cell, 2019, 24, 285-298.e5.	5.2	96
396	Guiding T lymphopoiesis from pluripotent stem cells by defined transcription factors. Cell Research, 2020, 30, 21-33.	5.7	39
397	Inducible Forward Programming of Human Pluripotent Stem Cells to Hemato-endothelial Progenitor Cells with Hematopoietic Progenitor Potential. Stem Cell Reports, 2020, 14, 122-137.	2.3	27
398	Pitfalls and requirements in quantifying asymmetric mitotic segregation. Annals of the New York Academy of Sciences, 2020, 1466, 73-82.	1.8	8
399	An automated microfluidic system for efficient capture of rare cells and rapid flow-free stimulation. Lab on A Chip, 2020, 20, 4246-4254.	3.1	12
400	A Novel GATA2 Protein Reporter Mouse Reveals Hematopoietic Progenitor Cell Types. Stem Cell Reports, 2020, 15, 326-339.	2.3	12
401	A Bird's Eye View on the Origin of Aortic Hemogenic Endothelial Cells. Frontiers in Cell and Developmental Biology, 2020, 8, 605274.	1.8	0
402	Characterization and generation of human definitive multipotent hematopoietic stem/progenitor cells. Cell Discovery, 2020, 6, 89.	3.1	21
403	Tools and Concepts for Interrogating and Defining Cellular Identity. Cell Stem Cell, 2020, 26, 632-656.	5.2	24
404	Microfluidic platform for 3D cell culture with live imaging and clone retrieval. Lab on A Chip, 2020, 20, 2580-2591.	3.1	17
405	Lysophosphatidic Acid and Hematopoiesis: From Microenvironmental Effects to Intracellular Signaling. International Journal of Molecular Sciences, 2020, 21, 2015.	1.8	8
406	Wnt-mediated endothelial transformation into mesenchymal stem cell–like cells induces chemoresistance in glioblastoma. Science Translational Medicine, 2020, 12, .	5.8	86
407	Enhancing Hematopoiesis from Murine Embryonic Stem Cells through MLL1-Induced Activation of a Rac/Rho/Integrin Signaling Axis. Stem Cell Reports, 2020, 14, 285-299.	2.3	8

#	Article	IF	CITATIONS
408	Proliferating Infantile Hemangioma Tissues and Primary Cell Lines Express Markers Associated with Endothelial-to-Mesenchymal Transition. Plastic and Reconstructive Surgery - Global Open, 2020, 8, e2598.	0.3	1
409	RUNX1-EVI1 disrupts lineage determination and the cell cycle by interfering with RUNX1 and EVI1 driven gene regulatory networks. Haematologica, 2021, 106, 1569-1580.	1.7	8
410	Hemovasculogenic origin of blood vessels in the developing mouse brain. Journal of Comparative Neurology, 2021, 529, 340-366.	0.9	10
411	Regulation of Hemogenic Endothelial Cell Development and Function. Annual Review of Physiology, 2021, 83, 17-37.	5.6	33
412	Targeting PAK4 to reprogram the vascular microenvironment and improve CAR-T immunotherapy for glioblastoma. Nature Cancer, 2021, 2, 83-97.	5.7	56
413	Symmetric and asymmetric activation of hematopoietic stem cells. Current Opinion in Hematology, 2021, 28, 262-268.	1.2	12
414	Contributions of Embryonic HSC-Independent Hematopoiesis to Organogenesis and the Adult Hematopoietic System. Frontiers in Cell and Developmental Biology, 2021, 9, 631699.	1.8	14
415	The hemogenic endothelium: a critical source for the generation of PSC-derived hematopoietic stem and progenitor cells. Cellular and Molecular Life Sciences, 2021, 78, 4143-4160.	2.4	25
416	The Bioactive Peptide SL-13R Expands Human Umbilical Cord Blood Hematopoietic Stem and Progenitor Cells In Vitro. Molecules, 2021, 26, 1995.	1.7	2
417	Ultra-thin temperature controllable microwell array chip for continuous real-time high-resolution imaging of living single cells. Chinese Chemical Letters, 2021, 32, 3446-3449.	4.8	8
418	Cytokine combinations for human blood stem cell expansion induce cell-type– and cytokine-specific signaling dynamics. Blood, 2021, 138, 847-857.	0.6	21
419	Analyzing signaling activity and function in hematopoietic cells. Journal of Experimental Medicine, 2021, 218, .	4.2	5
421	Adult-repopulating lymphoid potential of yolk sac blood vessels is not confined to arterial endothelial cells. Science China Life Sciences, 2021, 64, 2073-2087.	2.3	7
422	Sulfation of Glycosaminoglycans Modulates the Cell Cycle of Embryonic Mouse Spinal Cord Neural Stem Cells. Frontiers in Cell and Developmental Biology, 2021, 9, 643060.	1.8	7
423	The possible role of mutated endothelial cells in myeloproliferative neoplasms. Haematologica, 2021, 106, 2813-2823.	1.7	7
424	Asymmetric organelle inheritance predicts human blood stem cell fate. Blood, 2022, 139, 2011-2023.	0.6	32
426	Long-Term Dynamic Imaging of Cellular Processes Using an AIE Lipid Order Probe in the Dual-Color Mode. Analytical Chemistry, 2021, 93, 10272-10281.	3.2	21
428	VEGF, FGF2, and BMP4 regulate transitions of mesoderm to endothelium and blood cells in a human model of yolk sac hematopoiesis. Experimental Hematology, 2021, 103, 30-39.e2.	0.2	11

#	Article	IF	Citations
429	The Fetal-to-Adult Hematopoietic Stem Cell Transition and its Role in Childhood Hematopoietic Malignancies. Stem Cell Reviews and Reports, 2021, 17, 2059-2080.	1.7	4
430	Murine AGM single-cell profiling identifies a continuum of hemogenic endothelium differentiation marked by ACE. Blood, 2022, 139, 343-356.	0.6	29
431	The Bruton's Tyrosine Kinase Inhibitor Ibrutinib Impairs the Vascular Development of Zebrafish Larvae. Frontiers in Pharmacology, 2020, 11, 625498.	1.6	4
432	The Emergence of Blood and Blood Vessels in the Embryo and Its Relevance to Postnatal Biology and Disease. Biological and Medical Physics Series, 2011, , 1-16.	0.3	2
433	Application of Microfluidics to Study Stem Cell Dynamics. , 2013, , 435-470.		3
434	Assisting the Machine Paradigms for Human-Machine Interaction in Single Cell Tracking. Informatik Aktuell, 2013, , 116-121.	0.4	4
436	Endothelial Progenitor Cells (EPCs) and Their Function in Physiological States., 2013, , 136-150.		1
437	Blood making: learning what to put into the dish. F1000Research, 2020, 9, 38.	0.8	6
438	Myeloid Cells Contribute to Tumor Lymphangiogenesis. PLoS ONE, 2009, 4, e7067.	1.1	108
439	Human Haemato-Endothelial Precursors: Cord Blood CD34+ Cells Produce Haemogenic Endothelium. PLoS ONE, 2012, 7, e51109.	1.1	23
440	Tracking Single Cells in Live Animals Using a Photoconvertible Near-Infrared Cell Membrane Label. PLoS ONE, 2013, 8, e69257.	1.1	50
441	Imbalances in Mobilization and Activation of Pro-Inflammatory and Vascular Reparative Bone Marrow-Derived Cells in Diabetic Retinopathy. PLoS ONE, 2016, 11, e0146829.	1.1	46
442	RUNX1 Dosage in Development and Cancer. Molecules and Cells, 2020, 43, 126-138.	1.0	16
443	Targeting the T-Lak cell originated protein kinase by OTS964 shrinks the size of power-law coded heterogeneous glioma stem cell populations. Oncotarget, 2018, 9, 3043-3059.	0.8	11
444	Development of Patient-Specific Hematopoietic Stem and Progenitor Cell Grafts from Pluripotent Stem Cells, In Vitro. Current Molecular Medicine, 2013, 13, 815-820.	0.6	11
445	Reconstructing blood from induced pluripotent stem cells. F1000 Medicine Reports, 2010, 2, .	2.9	9
446	ES Cell Differentiation as a Model to Study Cell Biological Regulation of Vascular Development. , 0, , .		3
447	Live imaging reveals the progenitors and cell dynamics of limb regeneration. ELife, 2016, 5, .	2.8	48

#	Article	IF	Citations
449	Intra-Aortic Hematopoietic Cells. , 2012, , 59-75.		0
450	Gene Expression Profiling and Regulatory Networks in Single Cells. , 2012, , 1-13.		0
451	Engineering the Pluripotent Stem Cell Niche for Directed Mesoderm Differentiation. , 2012, , 1-26.		0
452	Directed and Systematic Differentiation of Cardiovascular Cells from Mouse and Human Pluripotent Stem Cells., 2013,, 84-96.		o
453	Epigenetic and Transcriptional Mechanisms Regulating the Development of the Haematopoietic System in Mammals. Epigenetics and Human Health, 2014, , 67-93.	0.2	O
454	Emergence of Endothelial Cells During Vascular Development. , 2014, , 3-23.		0
455	Blood Induction and Embryonic Formation. , 2015, , 451-467.		0
456	Stem Cell: Peptide and Protein-Modified Surfaces for Cell Niche. , 0, , 7565-7576.		O
462	Hematopoietic Stem Cells. Learning Materials in Biosciences, 2020, , 1-19.	0.2	0
463	Overexpression of p21 Has Inhibitory Effect on Human Hematopoiesis by Blocking Generation of CD43ï1/4< Cells via Cell-Cycle Regulation. International Journal of Stem Cells, 2020, 13, 202-211.	0.8	5
466	Recent Advances in Developmental Hematopoiesis: Diving Deeper With New Technologies. Frontiers in Immunology, 2021, 12, 790379.	2.2	11
467	Blood stem cell PU.1 upregulation is a consequence of differentiation without fast autoregulation. Journal of Experimental Medicine, 2022, 219, .	4.2	7
469	Cdx regulates gene expression through PRC2-mediated epigenetic mechanisms. Developmental Biology, 2022, 483, 22-33.	0.9	1
470	Development of the avian hematopoietic and immune systems. , 2022, , 45-69.		2
471	Endothelial Agrin Is Dispensable for Normal and Tumor Angiogenesis. Frontiers in Cardiovascular Medicine, 2021, 8, 810477.	1.1	1
472	Endothelial cell-specific expression of serine/threonine kinase 11 modulates dendritic cell differentiation. Nature Communications, 2022, 13, 648.	5.8	7
474	Heritable changes in division speed accompany the diversification of single T cell fate. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119 , .	3.3	13
475	Role of the Endothelium in Neonatal Diseases. , 2022, 1, 44-57.		1

#	Article	IF	CITATIONS
476	One Size Does Not Fit All: Heterogeneity in Developmental Hematopoiesis. Cells, 2022, 11, 1061.	1.8	7
477	Hemogenic and aortic endothelium arise from a common hemogenic angioblast precursor and are specified by the Etv2 dosage. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2119051119.	3.3	8
478	Vascular Microenvironment, Tumor Immunity and Immunotherapy. Frontiers in Immunology, 2021, 12, 811485.	2.2	43
480	NfΰB signaling dynamics and their target genes differ between mouse blood cell types and induce distinct cell behavior. Blood, 2022, 140, 99-111.	0.6	12
481	<scp>GFI1</scp> regulates chromatin state essential in human endothelialâ€ŧoâ€ħaematopoietic transition. Cell Proliferation, 2022, 55, e13244.	2.4	2
482	Embryonic vascular establishment requires protein C receptor-expressing endothelial progenitors. Development (Cambridge), 2022, 149, .	1.2	4
483	Specification of hematopoietic stem cells in mammalian embryos: A rare or frequent event?. Blood, 0, , .	0.6	1
484	Challenges in Cell Fate Acquisition to Scid-Repopulating Activity from Hemogenic Endothelium of hiPSCs Derived from AML Patients Using Forced Transcription Factor Expression. Cells, 2022, 11, 1915.	1.8	0
485	Single-cell transcriptome analysis of embryonic and adult endothelial cells allows to rank the hemogenic potential of post-natal endothelium. Scientific Reports, 2022, 12, .	1.6	3
486	PDGFR \hat{l}^2 + cells play a dual role as hematopoietic precursors and niche cells during mouse ontogeny. Cell Reports, 2022, 40, 111114.	2.9	5
487	Mesoderm-derived PDGFRA+ cells regulate the emergence of hematopoietic stem cells in the dorsal aorta. Nature Cell Biology, 2022, 24, 1211-1225.	4.6	6
488	The hepatic extramedullary hematopoiesis during experimental murine Schistosomiasis mansoni. Frontiers in Immunology, $0,13,13$	2.2	6
489	EndMT-derived mesenchymal stem cells: a new therapeutic target to atherosclerosis treatment. Molecular and Cellular Biochemistry, 2023, 478, 755-765.	1.4	5
491	On-microscope staging of live cells reveals changes in the dynamics of transcriptional bursting during differentiation. Nature Communications, 2022, 13, .	5.8	3
492	The (intra-aortic) hematopoietic cluster cocktail: what is in the mix?. Experimental Hematology, 2023, 118, 1-11.	0.2	3
493	<scp> CD34 ^{dim} </scp> cells identified as pluripotent stem cellâ€derived definitive hemogenic endothelium purified using bone morphogenetic protein 4. Cell Proliferation, 0, , .	2.4	1
494	In vivo clonal tracking reveals evidence of haemangioblast and haematomesoblast contribution to yolk sac haematopoiesis. Nature Communications, 2023, 14, .	5.8	6
495	De Novo Generation of Human Hematopoietic Stem Cells from Pluripotent Stem Cells for Cellular Therapy. Cells, 2023, 12, 321.	1.8	8

Article IF Citations