Mervin C Yoder

List of Publications by Year
in descending order

315 papers	20,795 citations	10373 72 h-index	11601 135 g-index
326 all docs	326 docs citations	326 times ranked	19320 citing authors

#	Article	IF	Citations
1	Identification of a novel hierarchy of endothelial progenitor cells using human peripheral and umbilical cord blood. Blood, 2004, 104, 2752-2760.	0.6	1,449
2	Redefining endothelial progenitor cells via clonal analysis and hematopoietic stem/progenitor cell principals. Blood, 2007, 109, 1801-1809.	0.6	1,370
3	Assessing Identity, Phenotype, and Fate of Endothelial Progenitor Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 1584-1595.	1.1	716
4	Vessel wallâ€“derived endothelial cells rapidly proliferate because they contain a complete hierarchy of endothelial progenitor cells. Blood, 2005, 105, 2783-2786.	0.6	542
5	Human CD34+AC133+VEGFR-2+ cells are not endothelial progenitor cells but distinct, primitive hematopoietic progenitors. Experimental Hematology, 2007, 35, 1109-1118.	0.2	505
6	Biomechanical forces promote embryonic haematopoiesis. Nature, 2009, 459, 1131-1135.	13.7	455
7	Endothelial progenitor cells: identity defined?. Journal of Cellular and Molecular Medicine, 2009, 13, 87-102.	1.6	439
8	Consensus guidelines for the use and interpretation of angiogenesis assays. Angiogenesis, 2018, 21, 425-532.	3.7	429
9	Unresolved questions, changing definitions, and novel paradigms for defining endothelial progenitor cells. Blood, 2005, 106, 1525-1531.	0.6	417
10	Characterization of Definitive Lymphohematopoietic Stem Cells in the Day 9 Murine Yolk Sac. Immunity, 1997, 7, 335-344.	6.6	392
11	Endothelial Progenitors: A Consensus Statement on Nomenclature. Stem Cells Translational Medicine, 2017, 6, 1316-1320.	1.6	358
12	Human Endothelial Progenitor Cells. Cold Spring Harbor Perspectives in Medicine, 2012, 2, a006692-a006692.	2.9	339
13	Working hypothesis to redefine endothelial progenitor cells. Leukemia, 2007, 21, 1141-1149.	3.3	285
14	The Emergence of Hematopoietic Stem Cells IsÂInitiated in the Placental Vasculature in the Absence of Circulation. Cell Stem Cell, 2008, 2, 252-263.	5.2	282
15	CD41 expression defines the onset of primitive and definitive hematopoiesis in the murine embryo. Development (Cambridge), 2003, 130, 4393-4403.	1.2	278
16	Murine embryonic stem cell differentiation is promoted by SOCS-3 and inhibited by the zinc finger transcription factor Klf4. Blood, 2005, 105, 635-637.	0.6	244
17	Embryonic day 9 yolk sac and intra-embryonic hemogenic endothelium independently generate a B-1 and marginal zone progenitor lacking B-2 potential. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1468-1473.	3.3	243
18	Restructuring of the Gut Microbiome by Intermittent Fasting Prevents Retinopathy and Prolongs Survival in db/db Mice. Diabetes, 2018, 67, 1867-1879.	0.3	243

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19	All primitive and definitive hematopoietic progenitor cells emerging before E10 in the mouse embryo are products of the yolk sac. Blood, 2008, 111, 3435-3438.	0.6	231
20	Î±5Î²1 integrin as a cellular coreceptor for human parvovirus B19: requirement of functional activation of Î²1 integrin for viral entry. Blood, 2003, 102, 3927-3933.	0.6	213
21	Differentiation of human pluripotent stem cells to cells similar to cord-blood endothelial colonyâ€“forming cells. Nature Biotechnology, 2014, 32, 1151-1157.	9.4	203
22	Endothelial progenitor cells: Quo Vadis?. Journal of Molecular and Cellular Cardiology, 2011, 50, 266-272.	0.9	201
23	Loss of FancC Function Results in Decreased Hematopoietic Stem Cell Repopulating Ability. Blood, 1999, 94, 1-8.	0.6	185
24	Blood island formation: longstanding observations and modern interpretations. Experimental Hematology, 2005, 33, 1041-1047.	0.2	183
25	Circulating and tissue resident endothelial progenitor cells. Journal of Cellular Physiology, 2013, 229, n/a-n/a.	2.0	173
26	Lung microvascular endothelium is enriched with progenitor cells that exhibit vasculogenic capacity. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L419-L430.	1.3	172
27	Marrow-derived cells populate scaffolds composed of xenogeneic extracellular matrix. Experimental Hematology, 2001, 29, 1310-1318.	0.2	170
28	From The Cover: Sonic hedgehog and retinoic acid synergistically promote sensory fate specification from bone marrow-derived pluripotent stem cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 4789-4794.	3.3	170
29	Extracellular matrix scaffolds are repopulated by bone marrow-derived cells in a mouse model of achilles tendon reconstruction. Journal of Orthopaedic Research, 2006, 24, 1299-1309.	1.2	162
30	Notch-Dependent Repression of miR-155 in the Bone Marrow Niche Regulates Hematopoiesis in an NF-ÎºB-Dependent Manner. Cell Stem Cell, 2014, 15, 51-65.	5.2	161
31	Circulating Angiogenic Precursors in Idiopathic Pulmonary Arterial Hypertension. American Journal of Pathology, 2008, 172, 615-627.	1.9	158
32	Is Endothelium the Origin of Endothelial Progenitor Cells?. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1094-1103.	1.1	158
33	Early dynamic fate changes in haemogenic endothelium characterized at the single-cell level. Nature Communications, 2013, 4, 2924.	5.8	158
34	Hematopoietic stem/progenitor cells, generation of induced pluripotent stem cells, and isolation of endothelial progenitors from 21- to 23.5-year cryopreserved cord blood. Blood, 2011, 117, 4773-4777.	0.6	155
35	Flow Cytometric Identification and Functional Characterization of Immature and Mature Circulating Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2012, 32, 1045-1053.	1.1	153
36	CD157 Marks Tissue-Resident Endothelial Stem Cells with Homeostatic and Regenerative Properties. Cell Stem Cell, 2018, 22, 384-397.e6.	5.2	152

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37	Roles of spleen and liver in development of the murine hematopoietic system. Experimental Hematology, 2002, 30, 1010-1019.	0.2	149
38	Autonomous murine T-cell progenitor production in the extra-embryonic yolk sac before HSC emergence. Blood, 2012, 119, 5706-5714.	0.6	145
39	Existence, Functional Impairment, and Lung Repair Potential of Endothelial Colony-Forming Cells in Oxygen-Induced Arrested Alveolar Growth. Circulation, 2014, 129, 2144-2157.	1.6	139
40	Targeted disruption of Zfp36l2, encoding a CCCH tandem zinc finger RNA-binding protein, results in defective hematopoiesis. Blood, 2009, 114, 2401-2410.	0.6	130
41	Endothelial colony-forming cell role in neoangiogenesis and tissue repair. Current Opinion in Organ Transplantation, 2010, 15, 68-72.	0.8	129
42	Adeno-associated virus 2-mediated gene transfer in vivo: organ-tropism and expression of transduced sequences in mice. Gene, 1997, 190, 203-210.	1.0	128
43	Engraftment of Embryonic Hematopoietic Cells in Conditioned Newborn Recipients. Blood, 1997, 89, 2176-2183.	0.6	128
44	Checkpoint-apoptosis uncoupling in human and mouse embryonic stem cells: a source of karyotpic instability. Blood, 2007, 109, 4518-4527.	0.6	121
45	Homing and engraftment potential of Sca-1+linâ^' cells fractionated on the basis of adhesion molecule expression and position in cell cycle. Blood, 2000, 96, 1380-1387.	0.6	120
46	Hematopoietic stem cell repopulating ability can be maintained in vitro by some primary endothelial cells. Experimental Hematology, 2004, 32, 1226-1237.	0.2	119
47	Recombinant Human Parvovirus B19 Vectors: Erythrocyte P Antigen Is Necessary but Not Sufficient for Successful Transduction of Human Hematopoietic Cells. Journal of Virology, 2001, 75, 4110-4116.	1.5	118
48	Adeno-Associated Virus Type 2-Mediated Gene Transfer: Correlation of Tyrosine Phosphorylation of the Cellular Single-Stranded D Sequence-Binding Protein with Transgene Expression in Human Cells In Vitro and Murine Tissues In Vivo. Journal of Virology, 1998, 72, 1593-1599.	1.5	118
49	YAP and TAZ limit cytoskeletal and focal adhesion maturation to enable persistent cell motility. Journal of Cell Biology, 2019, 218, 1369-1389.	2.3	115
50	Adult murine bone marrow-derived very small embryonic-like stem cells differentiate into the hematopoietic lineage after coculture over OP9 stromal cells. Experimental Hematology, 2011, 39, 225-237.	0.2	113
51	Collagen matrix physical properties modulate endothelial colony forming cell-derived vessels in vivo. Microvascular Research, 2010, 80, 23-30.	1.1	112
52	Renal Endothelial Dysfunction in Acute Kidney Ischemia Reperfusion Injury. Cardiovascular & Hematological Disorders Drug Targets, 2014, 14, 3-14.	0.2	112
53	Premature senescence of highly proliferative endothelial progenitor cells is induced by tumor necrosis factorâ€Î± via the p38 mitogenâ€activated protein kinase pathway. FASEB Journal, 2009, 23, 1358-1365.	0.2	106
54	Clonogenic Endothelial Progenitor Cells Are Sensitive to Oxidative Stress. Stem Cells, 2007, 25, 297-304.	1.4	102

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55	Definitive hematopoietic commitment within the embryonic vascular endothelial-cadherin+ population. Experimental Hematology, 2002, 30, 1070-1078.	0.2	99
56	Endothelial progenitor cell: a blood cell by many other names may serve similar functions. Journal of Molecular Medicine, 2013, 91, 285-295.	1.7	99
57	Isolation and Characterization of Endothelial Progenitor Cells from Human Blood. Current Protocols in Stem Cell Biology, 2008, 6, Unit 2C.1.	3.0	98
58	Endothelial Colony Forming Cells and Mesenchymal Stem Cells are Enriched at Different Gestational Ages in Human Umbilical Cord Blood. Pediatric Research, 2008, 64, 68-73.	1.1	95
59	SIRT1 deficiency compromises mouse embryonic stem cell hematopoietic differentiation, and embryonic and adult hematopoiesis in the mouse. Blood, 2011, 117, 440-450.	0.6	95
60	Adenovirus-mediated HIF-1Î± gene transfer promotes repair of mouse airway allograft microvasculature and attenuates chronic rejection. Journal of Clinical Investigation, 2011, 121, 2336-2349.	3.9	95
61	The isolation and culture of endothelial colony-forming cells from human and rat lungs. Nature Protocols, 2015, 10, 1697-1708.	5.5	94
62	Adeno-Associated Virus Type 2-Mediated Gene Transfer: Role of Epidermal Growth Factor Receptor Protein Tyrosine Kinase in Transgene Expression. Journal of Virology, 1998, 72, 9835-9843.	1.5	92
63	Bone marrow-derived angiogenic cells restore lung alveolar and vascular structure after neonatal hyperoxia in infant mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2010, 298, L315-L323.	1.3	91
64	A definitive role of Shp-2 tyrosine phosphatase in mediating embryonic stem cell differentiation and hematopoiesis. Blood, 2003, 102, 2074-2080.	0.6	90
65	Neurofibromin plays a critical role in modulating osteoblast differentiation of mesenchymal stem/progenitor cells. Human Molecular Genetics, 2006, 15, 2837-2845.	1.4	89
66	The homeoprotein Hex is required for hemangioblast differentiation. Blood, 2003, 102, 2428-2435.	0.6	87
67	Endothelial progenitor cell: ongoing controversy for defining these cells and their role in neoangiogenesis in the murine system. Current Opinion in Hematology, 2009, 16, 269-273.	1.2	85
68	Epigenetic Regulation of Nanog by MiR-302 Cluster-MBD2 Completes Induced Pluripotent Stem Cell Reprogramming. Stem Cells, 2013, 31, 666-681.	1.4	85
69	Fkbp1a controls ventricular myocardium trabeculation and compaction by regulating endocardial Notch1 activity. Development (Cambridge), 2013, 140, 1946-1957.	1.2	80
70	Tissue regeneration using endothelial colony-forming cells: promising cells for vascular repair. Pediatric Research, 2018, 83, 283-290.	1.1	80
71	Ape1 regulates hematopoietic differentiation of embryonic stem cells through its redox functional domain. Blood, 2007, 109, 1917-1922.	0.6	79
72	Endothelial Cells in the Early Murine Yolk Sac Give Rise to CD41-expressing Hematopoietic Cells. Stem Cells and Development, 2005, 14, 44-54.	1.1	78

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73	Mutant p53 drives clonal hematopoiesis through modulating epigenetic pathway. Nature Communications, 2019, 10, 5649.	5.8	77
74	Renal ontogeny in the rhesus monkey (Macaca mulatta) and directed differentiation of human embryonic stem cells towards kidney precursors. Differentiation, 2009, 78, 45-56.	1.0	74
75	Strategic Plan for Lung Vascular Research. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1554-1562.	2.5	73
76	Collagen oligomers modulate physical and biological properties of threeâ€dimensional selfâ€assembled matrices. Biopolymers, 2011, 95, 77-93.	1.2	72
77	Two-Photon Intravital Fluorescence Lifetime Imaging of the Kidney Reveals Cell-Type Specific Metabolic Signatures. Journal of the American Society of Nephrology: JASN, 2017, 28, 2420-2430.	3.0	71
78	Optimizing the transduction efficiency of capsid-modified AAV6 serotype vectors in primary human hematopoietic stem cells in vitro and in a xenograft mouse model in vivo. Cytotherapy, 2013, 15, 986-998.	0.3	70
79	Differentiation, Evaluation, and Application of Human Induced Pluripotent Stem Cellâ€“Derived Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2014-2025.	1.1	68
80	Cord Blood Stem and Progenitor Cells. Methods in Enzymology, 2006, 419, 439-473.	0.4	66
81	Pluripotent Stem Cells Identified in Multiple Murine Tissues. Annals of the New York Academy of Sciences, 2003, 996, 158-173.	1.8	65
82	Endothelial progenitor cells and cardiovascular cell-based therapies. Cytotherapy, 2009, 11, 103-113.	0.3	63
83	Antibody targeting KIT as pretransplantation conditioning in immunocompetent mice. Blood, 2010, 116, 5419-5422.	0.6	61
84	Rac1 is essential for intraembryonic hematopoiesis and for the initial seeding of fetal liver with definitive hematopoietic progenitor cells. Blood, 2008, 111, 3313-3321.	0.6	59
85	Alterations in the aqueous humor proteome in patients with a glaucoma shunt device. Molecular Vision, 2011, 17, 1891-900.	1.1	58
86	Adeno-Associated Virus Type 2-Mediated Gene Transfer: Role of Cellular T-Cell Protein Tyrosine Phosphatase in Transgene Expression in Established Cell Lines In Vitro and Transgenic Mice In Vivo. Journal of Virology, 2003, 77, 2741-2746.	1.5	57
87	Primary endothelial cells isolated from the yolk sac and para-aortic splanchnopleura support the expansion of adult marrow stem cells in vitro. Blood, 2003, 102, 4345-4353.	0.6	57
88	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
89	Impaired Nuclear Transport and Uncoating Limit Recombinant Adeno-Associated Virus 2 Vector-Mediated Transduction of Primary Murine Hematopoietic Cells. Human Gene Therapy, 2004, 15, 1207-1218.	1.4	55
90	Differentiation of pluripotent stem cells into endothelial cells. Current Opinion in Hematology, 2015, 22, 252-257.	1.2	55

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91	Tracheal lavage and plasma fibronectin: Relationship to respiratory distress syndrome and development of bronchopulmonary dysplasia. Journal of Pediatrics, 1986, 108, 601-606.	0.9	54
92	The definition of EPCs and other bone marrow cells contributing to neoangiogenesis and tumor growth: Is there common ground for understanding the roles of numerous marrow-derived cells in the neoangiogenic process?. Biochimica Et Biophysica Acta: Reviews on Cancer, 2009, 1796, 50-54.	3.3	53
93	Effect of Developmental Stage of HSC and Recipient on Transplant Outcomes. Developmental Cell, 2014, 29, 621-628.	3.1	53
94	Neonatal neutrophils: the good, the bad, and the ugly. Clinics in Perinatology, 2004, 31, 39-51.	0.8	52
95	Clonal analysis and hierarchy of human bone marrow mesenchymal stem and progenitor cells. Experimental Hematology, 2010, 38, 46-54.	0.2	52
96	Rapid Analysis of Lymphocyte Subsets in Cord Blood. American Journal of Clinical Pathology, 1990, 93, 263-266.	0.4	50
97	Acute Myocardial Infarction in Swine Rapidly and Selectively Releases Highly Proliferative Endothelial Colony Forming Cells (ECFCs) into Circulation. Cell Transplantation, 2007, 16, 887-897.	1.2	49
98	Defective TGF-Î² Signaling in Bone Marrowâ€“Derived Cells Prevents Hedgehog-Induced Skin Tumors. Cancer Research, 2014, 74, 471-483.	0.4	49
99	Plasma fibronectin in healthy newborn infants: Respiratory distress syndrome and perinatal asphyxia. Journal of Pediatrics, 1983, 102, 777-780.	0.9	48
100	Adeno-associated Virus 2-Mediated Transduction and Erythroid Lineage-Restricted Long-Term Expression of the Human Î²-Globin Gene in Hematopoietic Cells from Homozygous Î²-Thalassemic Mice. Molecular Therapy, 2001, 3, 940-946.	3.7	48
101	iPSCâ€Derived Vascular Cell Spheroids as Building Blocks for Scaffoldâ€Free Biofabrication. Biotechnology Journal, 2017, 12, 1700444.	1.8	48
102	Phenotypic and Functional Characterization of Endothelial Colony Forming Cells Derived from Human Umbilical Cord Blood. Journal of Visualized Experiments, 2012, , .	0.2	47
103	Influence of the oxygen microenvironment on the proangiogenic potential of human endothelial colony forming cells. Angiogenesis, 2009, 12, 303-11.	3.7	46
104	Recombinant Human Parvovirus B19 Vectors: Erythroid Cell-Specific Delivery and Expression of Transduced Genes. Journal of Virology, 1998, 72, 5224-5230.	1.5	46
105	Clonal Multilineage Differentiation of Murine Common Pluripotent Stem Cells Isolated from Skeletal Muscle and Adipose Stromal Cells. Annals of the New York Academy of Sciences, 2005, 1044, 183-200.	1.8	45
106	Regulatory role for nucleosome assembly protein-1 in the proliferative and vasculogenic phenotype of pulmonary endothelium. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 294, L431-L439.	1.3	45
107	Immunotherapy of Neonatal Septicemia. Pediatric Clinics of North America, 1986, 33, 481-501.	0.9	43
108	Functional p85Î± gene is required for normal murine fetal erythropoiesis. Blood, 2003, 102, 142-145.	0.6	43

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109	Future of cord blood for non-oncology uses. Bone Marrow Transplantation, 2009, 44, 683-697.	1.3	43
110	High-Efficiency Transduction of Primary Human Hematopoietic Stem Cells and Erythroid Lineage-Restricted Expression by Optimized AAV6 Serotype Vectors In Vitro and in a Murine Xenograft Model In Vivo. PLoS ONE, 2013, 8, e58757.	1.1	43
111	Endothelial colony-forming cells ameliorate endothelial dysfunction via secreted factors following ischemia-reperfusion injury. American Journal of Physiology - Renal Physiology, 2017, 312, F897-F907.	1.3	42
112	Comparison of Serum Fibronectin, Prealbumin, and Albumin Concentrations During Nutritional Repletion in Protein-Calorie Malnourished Infants. Journal of Pediatric Gastroenterology and Nutrition, 1987, 6, 84-88.	0.9	41
113	Hematopoietic potential of murine skeletal muscleâ€“derived CD45â^'Sca-1+c-kitâ^' cells. Experimental Hematology, 2002, 30, 915-924.	0.2	41
114	PRL2/PTP4A2 Phosphatase Is Important for Hematopoietic Stem Cell Self-Renewal. Stem Cells, 2014, 32, 1956-1967.	1.4	41
115	A Common Origin for B-1a and B-2 Lymphocytes in Clonal Pre- Hematopoietic Stem Cells. Stem Cell Reports, 2017, 8, 1563-1572.	2.3	41
116	Self-complementary Adeno-associated Virus 2 (AAV)â€“T Cell Protein Tyrosine Phosphatase Vectors as Helper Viruses to Improve Transduction Efficiency of Conventional Single-Stranded AAV Vectors in Vitro and in Vivo. Molecular Therapy, 2004, 10, 950-957.	3.7	40
117	Endothelial-monocyteâ€“activating polypeptide II induces migration of endothelial progenitor cells via the chemokine receptor CXCR3. Experimental Hematology, 2006, 34, 1125-1132.	0.2	40
118	Inducing definitive hematopoiesis in a dish. Nature Biotechnology, 2014, 32, 539-541.	9.4	40
119	Introduction: spatial origin of murine hematopoietic stem cells. Blood, 2001, 98, 3-5.	0.6	39
120	Endothelial stem and progenitor cells (stem cells): (2017 Grover Conference Series). Pulmonary Circulation, 2018, 8, 1-9.	0.8	39
121	Proteomic analysis of human aqueous humor using multidimensional protein identification technology. Molecular Vision, 2009, 15, 2740-50.	1.1	39
122	Critical Roles of Lysosomal Acid Lipase in Myelopoiesis. American Journal of Pathology, 2010, 176, 2394-2404.	1.9	38
123	Knockdown of Pu.1 by small interfering RNA in CD34+ embryoid body cells derived from mouse ES cells turns cell fate determination to pro-B cells. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 13236-13241.	3.3	37
124	Electroacupuncture Promotes Central Nervous System-Dependent Release of Mesenchymal Stem Cells. Stem Cells, 2017, 35, 1303-1315.	1.4	37
125	Ontogeny of CD24 in the human kidney. Kidney International, 2010, 77, 1123-1131.	2.6	36
126	Epigenetic Activation of Pro-angiogenic Signaling Pathways in Human Endothelial Progenitors Increases Vasculogenesis. Stem Cell Reports, 2017, 9, 1573-1587.	2.3	36

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127	Stable Integration of Recombinant Adeno-Associated Virus Vector Genomes After Transduction of Murine Hematopoietic Stem Cells. Human Gene Therapy, 2008, 19, 267-278.	1.4	34
128	Diabetes reduces bone marrow and circulating porcine endothelial progenitor cells, an effect ameliorated by atorvastatin and independent of cholesterol. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 75-82.	1.1	34
129	Production of the endocannabinoids anandamide and 2â€arachidonoylglycerol by endothelial progenitor cells. FEBS Letters, 2007, 581, 4927-4931.	1.3	33
130	Inducible pluripotent stem cells: not quite ready for prime time?. Current Opinion in Organ Transplantation, 2010, 15, 61-67.	0.8	33
131	Human umbilical cord blood plasma can replace fetal bovine serum for in vitro expansion of functional human endothelial colony-forming cells. Cytotherapy, 2011, 13, 712-721.	0.3	33
132	Collagen-Polymer Guidance of Vessel Network Formation and Stabilization by Endothelial Colony Forming Cells In Vitro. Macromolecular Bioscience, 2013, 13, 1135-1149.	2.1	33
133	Birth of the blood cell. Nature, 2009, 457, 801-803.	13.7	32
134	Human mesenchymal stromal cells decrease mortality after intestinal ischemia and reperfusion injury. Journal of Surgical Research, 2015, 199, 56-66.	0.8	32
135	Evaluation of Primitive Murine Hematopoietic Stem and Progenitor Cell Transduction In Vitro and In Vivo by Recombinant Adeno-Associated Virus Vector Serotypes 1 Through 5. Human Gene Therapy, 2006, 17, 321-333.	1.4	31
136	Critical Role of the mTOR Pathway in Development and Function of Myeloid-Derived Suppressor Cells in lalâ˜'/â˜' Mice. American Journal of Pathology, 2014, 184, 397-408.	1.9	31
137	Resident Endothelial Progenitor Cells from Human Placenta have Greater Vasculogenic Potential than Circulating Endothelial Progenitor Cells from Umbilical Cord Blood. Cell Medicine, 2011, 2, 85-96.	5.0	30
138	High-Efficiency Transduction of Primary Human Hematopoietic Stem/Progenitor Cells by AAV6 Vectors: Strategies for Overcoming Donor-Variation and Implications in Genome Editing. Scientific Reports, 2016, 6, 35495.	1.6	29
139	Endothelial colony-forming cells: Biological and functional abnormalities in patients with recurrent, unprovoked venous thromboembolic disease. Thrombosis Research, 2016, 137, 157-168.	0.8	29
140	Endothelial colonyâ€forming cells and proâ€angiogenic cells: clarifying definitions and their potential role in mitigating acute kidney injury. Acta Physiologica, 2018, 222, e12914.	1.8	29
141	Peripheral blood-derived mesenchymal stem cells demonstrate immunomodulatory potential for therapeutic use in horses. PLoS ONE, 2019, 14, e0212642.	1.1	29
142	Human platelet lysate improves human cord blood derived ECFC survival and vasculogenesis in three dimensional (3D) collagen matrices. Microvascular Research, 2015, 101, 72-81.	1.1	28
143	A Theoretically Optimized Method for Cord Blood Stem Cell Cryopreservation. Journal of Hematotherapy and Stem Cell Research, 2003, 12, 341-350.	1.8	27
144	Thrombopoietin promotes mixed lineage and megakaryocytic colony-forming cell growth but inhibits primitive and definitive erythropoiesis in cells isolated from early murine yolk sacs. Blood, 2003, 101, 1329-1335.	0.6	27

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145	Recombinant Self-Complementary Adeno-Associated Virus Serotype Vector-Mediated Hematopoietic Stem Cell Transduction and Lineage-Restricted, Long-Term Transgene Expression in a Murine Serial Bone Marrow Transplantation Model. Human Gene Therapy, 2008, 19, 376-383.	1.4	27
146	Human endothelial colony forming cells undergo vasculogenesis within biphasic calcium phosphate bone tissue engineering constructs. Acta Biomaterialia, 2011, 7, 4222-4228.	4.1	27
147	Changes in the frequency and in vivo vessel-forming ability of rhesus monkey circulating endothelial colonyâ€“forming cells across the lifespan (birth to aged). Pediatric Research, 2012, 71, 156-161.	1.1	27
148	Bmi1 Promotes Erythroid Development Through Regulating Ribosome Biogenesis. Stem Cells, 2015, 33, 925-938.	1.4	27
149	Decreased Fibronectin Biosynthesis by Human Cord Blood Mononuclear Phagocytes In Vitro. Journal of Leukocyte Biology, 1984, 35, 91-99.	1.5	26
150	Reduction of Shp-2 Expression by Small Interfering RNA Reduces Murine Embryonic Stem Cell-Derived In Vitro Hematopoietic Differentiation. Stem Cells, 2006, 24, 587-594.	1.4	26
151	Overcoming Obstacles in the Search for the Site of Hematopoietic Stem Cell Emergence. Cell Stem Cell, 2008, 3, 583-586.	5.2	26
152	Suppressed hindlimb perfusion in Rac2â^'/â^' and Nox2â^'/â^' mice does not result from impaired collateral growth. American Journal of Physiology - Heart and Circulatory Physiology, 2009, 296, H877-H886.	1.5	26
153	Distinct contribution of human cord blood-derived endothelial colony forming cells to liver and gut in a fetal sheep model. Hepatology, 2012, 56, 1086-1096.	3.6	26
154	Genotoxic stresses promote clonal expansion of hematopoietic stem cells expressing mutant p53. Leukemia, 2018, 32, 850-854.	3.3	26
155	Sox9 and Rbpj differentially regulate endothelial to mesenchymal transition and wound scarring in murine endovascular progenitors. Nature Communications, 2021, 12, 2564.	5.8	26
156	Alterations in the aqueous humor proteome in patients with Fuchs endothelial corneal dystrophy. Molecular Vision, 2010, 16, 2376-83.	1.1	26
157	c-Kit and CD38 are expressed by long-term reconstituting hematopoietic cells present in the murine yolk sac. Biology of Blood and Marrow Transplantation, 1998, 4, 69-74.	2.0	25
158	Expression of RAC2 in endothelial cells is required for the postnatal neovascular response. Experimental Cell Research, 2009, 315, 248-263.	1.2	25
159	Bone marrow engraftment but limited expansion of hematopoietic cells from multipotent germline stem cells derived from neonatal mouse testis. Experimental Hematology, 2009, 37, 1400-1410.	0.2	25
160	Cleaved high molecular weight kininogen inhibits tube formation of endothelial progenitor cells via suppression of matrix metalloproteinase 2. Journal of Thrombosis and Haemostasis, 2010, 8, 185-193.	1.9	25
161	Venous and arterial endothelial proteomics: mining for markers and mechanisms of endothelial diversity. Expert Review of Proteomics, 2010, 7, 823-831.	1.3	25
162	Blood Vessel Wallâ€“Derived Endothelial Colony-Forming Cells Enhance Fracture Repair and Bone Regeneration. Calcified Tissue International, 2011, 89, 347-357.	1.5	25

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163	P38Î±/JNK signaling restrains erythropoiesis by suppressing Ezh2-mediated epigenetic silencing of Bim. Nature Communications, 2018, 9, 3518.	5.8	25
164	Cleaved High-Molecular-Weight Kininogen Accelerates the Onset of Endothelial Progenitor Cell Senescence by Induction of Reactive Oxygen Species. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 883-889.	1.1	24
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