Shahin Rafii

List of Publications by Year
in descending order

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304 papers	47,121 citations	2311 98 h-index	1792 211 g-index
310 all docs	310 docs citations	310 times ranked	44447 citing authors

#	Article	IF	Citations
1	SATB2 preserves colon stem cell identity and mediates ileum-colon conversion via enhancer remodeling. Cell Stem Cell, 2022, 29, 101-115.e10.	5.2	31
2	Angiocrine ANGPTL2 executes HSC functions inÂendothelial niche. Blood, 2022, 139, 1433-1434.	0.6	0
3	Engineering a niche supporting hematopoietic stem cell development using integrated single-cell transcriptomics. Nature Communications, 2022, 13, 1584.	5.8	23
4	Specification of fetal liver endothelial progenitors to functional zonated adult sinusoids requires c-Maf induction. Cell Stem Cell, 2022, 29, 593-609.e7.	5.2	32
5	Histone variant H3.3 maintains adult haematopoietic stem cell homeostasis by enforcing chromatin adaptability. Nature Cell Biology, 2022, 24, 99-111.	4.6	17
6	Cardiovascular diseases disrupt the bone-marrow niche. Nature, 2022, 601, 515-517.	13.7	1
7	Angiopoietin 2 Is Associated with Vascular Necroptosis Induction in Coronavirus Disease 2019 Acute Respiratory Distress Syndrome. American Journal of Pathology, 2022, 192, 1001-1015.	1.9	19
8	Pluripotent stem cell-derived epithelium misidentified as brain microvascular endothelium requires ETS factors to acquire vascular fate. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	119
9	Human Induced Pluripotent Stem Cell-Derived Brain Endothelial Cells: Current Controversies. Frontiers in Physiology, 2021, 12, 642812.	1.3	33
10	Endothelial Jak3 expression enhances pro-hematopoietic angiocrine function in mice. Communications Biology, 2021, 4, 406.	2.0	9
11	Reversal of emphysema by restoration of pulmonary endothelial cells. Journal of Experimental Medicine, 2021, 218, .	4.2	37
12	Direct reprogramming induces vascular regeneration post muscle ischemic injury. Molecular Therapy, 2021, 29, 3042-3058.	3.7	21
13	Multipotent progenitors and hematopoietic stem cells arise independently from hemogenic endothelium in the mouse embryo. Cell Reports, 2021, 36, 109675.	2.9	50
14	Endothelial reprogramming for vascular regeneration: Past milestones and future directions. Seminars in Cell and Developmental Biology, 2021, , .	2.3	2
15	Morphological characterization of Etv2 vascular explants using fractal analysis and atomic force microscopy. Microvascular Research, 2021, 138, 104205.	1.1	1
16	Attenuation of apoptotic cell detection triggers thymic regeneration after damage. Cell Reports, 2021, 37, 109789.	2.9	5
17	Efficient hemogenic endothelial cell specification by RUNX1 is dependent on baseline chromatin accessibility of RUNX1-regulated TGFÎ² target genes. Genes and Development, 2021, 35, 1475-1489.	2.7	11
18	Developmental angiocrine diversification of endothelial cells for organotypic regeneration. Developmental Cell, 2021, 56, 3042-3051.	3.1	24

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19	A Predictive Endothelial-Leukemia Pre-Clinical Platform to Uncover Drug Vulnerabilities for Personalized Treatments. Blood, 2021, 138, 704-704.	0.6	0
20	Zena Werb, Ph.D, â€œQueen of the Matrixâ€• In Memoriam (1945â€“2020). Cancer Research, 2020, 80, 3773-3774.	4.4	0
21	Single-cell profiling reveals an endothelium-mediated immunomodulatory pathway in the eye choroid. Journal of Experimental Medicine, 2020, 217, .	4.2	55
22	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. Nature, 2020, 585, 426-432.	13.7	145
23	Megakaryocyte TGFÎ²1 partitions erythropoiesis into immature progenitor/stem cells and maturing precursors. Blood, 2020, 136, 1044-1054.	0.6	11
24	Angiocrine endothelium: from physiology to cancer. Journal of Translational Medicine, 2020, 18, 52.	1.8	53
25	Low-Dose Radiation Therapy (LDRT) for COVID-19: Benefits or Risks?. Radiation Research, 2020, 194, 452-464.	0.7	36
26	3063 â€“ DISTINCT POPULATIONS OF MULTIPOTENT PROGENITORS AND HEMATOPOIETIC STEM CELLS EMERGE FROM HEMOGENIC ENDOTHELIUM IN THE MURINE EMBRYO. Experimental Hematology, 2020, 88, S57-S58.	0.2	0
27	Abstract 17357: Direct Cardiac Reprogramming Using Combinatorial Modified mRNA. Circulation, 2020, 142, .	1.6	1
28	Distinct Transcriptional Signatures Distinguish the Emergence of Multipotent Progenitors and Hematopoietic Stem Cells from Endothelial Precursors in the Murine Embryo. Blood, 2020, 136, 7-8.	0.6	1
29	Tumour exosomal CEMIP protein promotes cancer cell colonization in brain metastasis. Nature Cell Biology, 2019, 21, 1403-1412.	4.6	254
30	Akt-activated endothelium promotes ovarian cancer proliferation through notch activation. Journal of Translational Medicine, 2019, 17, 194.	1.8	20
31	Haematopoietic stem cell reprogramming and the hope for a universal blood product. FEBS Letters, 2019, 593, 3253-3265.	1.3	4
32	Molecular determinants of nephron vascular specialization in the kidney. Nature Communications, 2019, 10, 5705.	5.8	83
33	Integrated Single Cell Transcriptomics Defines an Engineered Niche Supporting Hematopoietic Stem Cell Development Ex Vivo. Blood, 2019, 134, 3699-3699.	0.6	1
34	Fli-1 Transcriptionally Integrates Microenvironmental Cues Sensing By Self-Renewing Hematopoietic Stem and Progenitor Cells. Blood, 2019, 134, 725-725.	0.6	1
35	Transcription Factor Induction of Ectopic Vascular Blood Stem Cell Niches In Vivo. Blood, 2019, 134, 525-525.	0.6	5
36	The Chromatin Remodeler BPTF Activates a Stemness Gene-Expression Program Essential for the Maintenance of Adult Hematopoietic Stem Cells. Stem Cell Reports, 2018, 10, 675-683.	2.3	26

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37	Laminar shear stress modulates endothelial luminal surface stiffness in a tissueâ€specific manner. Microcirculation, 2018, 25, e12455.	1.0	10
38	Pluripotency transcription factors and Tet1/2 maintain Brd4-independent stem cell identity. Nature Cell Biology, 2018, 20, 565-574.	4.6	49
39	At the Root: Defining and Halting Progression of Early Chronic Obstructive Pulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1540-1551.	2.5	185
40	Histone variant H3.3â€“mediated chromatin remodeling is essential for paternal genome activation in mouse preimplantation embryos. Journal of Biological Chemistry, 2018, 293, 3829-3838.	1.6	42
41	Production of BMP4 by endothelial cells is crucial for endogenous thymic regeneration. Science Immunology, 2018, 3, .	5.6	93
42	Setting up the dermis for scar-free healing. Nature Cell Biology, 2018, 20, 365-366.	4.6	3
43	In vitro conversion of adult murine endothelial cells to hematopoietic stem cells. Nature Protocols, 2018, 13, 2758-2780.	5.5	17
44	Endothelial cell adaptation in regeneration. Science, 2018, 362, 1116-1117.	6.0	43
45	Blood flow forces liver growth. Nature, 2018, 562, 42-43.	13.7	8
46	Isolation and Characterization of Mouse Organ-Specific Endothelial Transcriptomes. Methods in Molecular Biology, 2018, 1846, 301-308.	0.4	1
47	Single Cell Transcriptomics Reconstructs the Embryonic Emergence of HSC and Identifies Ligand-Receptor Interactions Regulating HSC Genesis in the Aorta-Gonad-Mesonephros Vascular Niche. Experimental Hematology, 2018, 64, S69-S70.	0.2	0
48	Testicular endothelial cells are a critical population in the germline stem cell niche. Nature Communications, 2018, 9, 4379.	5.8	85
49	A computational approach to identifyÂcellular heterogeneity andÂtissue-specific gene regulatory networks. BMC Bioinformatics, 2018, 19, 217.	1.2	10
50	Single Cell Transcriptomics Maps the Embryonic Emergence of HSC and Identifies Intercellular Interactions Regulating HSC Genesis. Blood, 2018, 132, 5086-5086.	0.6	1
51	Generation of BMEC Lines and in vitro BMEC-HSPC Co-culture Assays. Bio-protocol, 2018, 8, e3079.	0.2	1
52	Reprogrammed Adult Human Endothelium into Hematopoietic Stem Cells Yields Functional T Cells In Vivo. Blood, 2018, 132, 169-169.	0.6	1
53	Coculturing with endothelial cells promotes in vitro maturation and electrical coupling of human embryonic stem cellâ€derived cardiomyocytes. Journal of Heart and Lung Transplantation, 2017, 36, 684-693.	0.3	29
54	Sox17 drives functional engraftment of endothelium converted from non-vascular cells. Nature Communications, 2017, 8, 13963.	5.8	18

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55	Platelets prime hematopoieticâ€“vascular niche to drive angiocrine-mediated liver regeneration. Signal Transduction and Targeted Therapy, 2017, 2, .	7.1	26
56	Catheter-directed Intraportal Delivery of Endothelial Cell Therapy for Liver Regeneration: A Feasibility Study in a Large-Animal Model of Cirrhosis. Radiology, 2017, 285, 114-123.	3.6	9
57	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
58	Conversion of adult endothelium to immunocompetent haematopoietic stem cells. Nature, 2017, 545, 439-445.	13.7	191
59	Concerted regulation of retinal pigment epithelium basement membrane and barrier function by angiocrine factors. Nature Communications, 2017, 8, 15374.	5.8	64
60	Dangerous Liaisons: Deviant Endothelium NOTCHes toward Tumor Metastasis. Cancer Cell, 2017, 31, 301-303.	7.7	3
61	Molecular Checkpoint Decisions Made by Subverted Vascular Niche Transform Indolent Tumor Cells into Chemoresistant Cancer Stem Cells. Cancer Cell, 2017, 31, 110-126.	7.7	108
62	Targeting the vascular and perivascular niches as a regenerative therapy for lung and liver fibrosis. Science Translational Medicine, 2017, 9, .	5.8	91
63	Leukemic Cells â€œGas Upâ€•Leaky Bone Marrow Blood Vessels. Cancer Cell, 2017, 32, 276-278.	7.7	2
64	Plasmin regulation of acute cytokine storm. Blood, 2017, 130, 5-6.	0.6	17
65	Endothelial Cells Promote Expansion of Long-Term Engrafting Marrow Hematopoietic Stem and Progenitor Cells in Primates. Stem Cells Translational Medicine, 2017, 6, 864-876.	1.6	28
66	A proangiogenic signaling axis in myeloid cells promotes malignant progression of glioma. Journal of Clinical Investigation, 2017, 127, 1826-1838.	3.9	34
67	Endothelial jagged-2 sustains hematopoietic stem and progenitor reconstitution after myelosuppression. Journal of Clinical Investigation, 2017, 127, 4242-4256.	3.9	63
68	Open the gates: vascular neurocrine signaling mobilizes hematopoietic stem and progenitor cells. Journal of Clinical Investigation, 2017, 127, 4231-4234.	3.9	9
69	Megakaryocytic TGFÎ²1 Partitions Hematopoiesis into Amplifying Stem and Progenitor Cells and Maturing Effector Cells. Blood, 2017, 130, 81-81.	0.6	0
70	Mechanisms Governing Endogenous Thymic Regeneration. Blood, 2017, 130, 66-66.	0.6	0
71	HDL activation of endothelial sphingosine-1-phosphate receptor-1 (S1P1) promotes regeneration and suppresses fibrosis in the liver. JCI Insight, 2016, 1, e87058.	2.3	59
72	Endothelial-specific inhibition of NF-Î²B enhances functional haematopoiesis. Nature Communications, 2016, 7, 13829.	5.8	40

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73	Adenovirus Protein E4-ORF1 Activation of PI3 Kinase Reveals Differential Regulation of Downstream Effector Pathways in Adipocytes. Cell Reports, 2016, 17, 3305-3318.	2.9	13
74	Distinct bone marrow blood vessels differentially regulate haematopoiesis. Nature, 2016, 532, 323-328.	13.7	553
75	VEGF-B Improves Metabolic Health through Vascular Pruning of Fat. Cell Metabolism, 2016, 23, 571-573.	7.2	10
76	Transplantation of Endothelial Cells to Mitigate Acute and Chronic Radiation Injury to Vital Organs. Radiation Research, 2016, 186, 196-202.	0.7	21
77	An activated form of ADAM10 is tumor selective and regulates cancer stem-like cells and tumor growth. Journal of Experimental Medicine, 2016, 213, 1741-1757.	4.2	55
78	Epigenetic profiles signify cell fate plasticity in unipotent spermatogonial stem and progenitor cells. Nature Communications, 2016, 7, 11275.	5.8	27
79	Angiocrine functions of organ-specific endothelial cells. Nature, 2016, 529, 316-325.	13.7	717
80	Targeting of the pulmonary capillary vascular niche promotes lung alveolar repair and ameliorates fibrosis. Nature Medicine, 2016, 22, 154-162.	15.2	201
81	VEGF-A/VEGFR Inhibition Restores Hematopoietic Homeostasis in the Bone Marrow and Attenuates Tumor Growth. Cancer Research, 2016, 76, 517-524.	0.4	19
82	VE-cadherin cleavage by ovarian cancer microparticles induces Î²-catenin phosphorylation in endothelial cells. Oncotarget, 2016, 7, 5289-5305.	0.8	17
83	The Pro-Tumorigenic Vascular Niche Sustains the T-Cell Acute Lymphoblastic Leukemia Phenotype and Fosters Resistance to Therapy. Blood, 2016, 128, 279-279.	0.6	0
84	Direct Conversion of Adult Endothelial Cells into Immunecompetent Long-Term Engraftable Clinically Scalable Hematopoietic Stem Cells: Pathway to Therapeutic Translation. Blood, 2016, 128, 372-372.	0.6	1
85	Executive functions of the cascular niche in hematopoietic specification maintenance and regeneration. Experimental Hematology, 2015, 43, S35.	0.2	0
86	Vascular niche promotes hematopoietic multipotent progenitor formation from pluripotent stem cells. Journal of Clinical Investigation, 2015, 125, 1243-1254.	3.9	96
87	Identification of Reprogrammed Myeloid Cell Transcriptomes in NSCLC. PLoS ONE, 2015, 10, e0129123.	1.1	17
88	Slitrk5 Mediates BDNF-Dependent TrkB Receptor Trafficking and Signaling. Developmental Cell, 2015, 33, 690-702.	3.1	81
89	Direct conversion of human amniotic cells into endothelial cells without transitioning through a pluripotent state. Nature Protocols, 2015, 10, 1975-1985.	5.5	27
90	Endothelial Cells Control Pancreatic Cell Fate at Defined Stages through EGFL7 Signaling. Stem Cell Reports, 2015, 4, 181-189.	2.3	37

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91	Platelet-derived SDF-1 primes the pulmonary capillary vascular niche to drive lung alveolar regeneration. Nature Cell Biology, 2015, 17, 123-136.	4.6	120
92	Transcriptome Analysis of Individual Stromal Cell Populations Identifies Stroma-Tumor Crosstalk in Mouse Lung Cancer Model. Cell Reports, 2015, 10, 1187-1201.	2.9	137
93	Endothelial MMP14 is required for endothelial dependent growth support of human airway basal cells. Journal of Cell Science, 2015, 128, 2983-8.	1.2	13
94	Critical Role of Histone Turnover in Neuronal Transcription and Plasticity. Neuron, 2015, 87, 77-94.	3.8	257
95	Tight regulation between cell survival and programmed cell death in GBM stem-like cells by EGFR/GSK3b/PP2A signaling. Journal of Neuro-Oncology, 2015, 121, 19-29.	1.4	25
96	Breast cancer cells promote a notch-dependent mesenchymal phenotype in endothelial cells participating to a pro-tumoral niche. Journal of Translational Medicine, 2015, 13, 27.	1.8	43
97	Endothelium and NOTCH specify and amplify aorta-gonad-mesonephrosâ€“derived hematopoietic stem cells. Journal of Clinical Investigation, 2015, 125, 2032-2045.	3.9	74
98	Distinct Bone Marrow Blood Vessels Differentially Regulate Normal and Malignant Hematopoietic Stem and Progenitor Cells. Blood, 2015, 126, 664-664.	0.6	1
99	Vascular Niche-Derived Angiocrine Factors Specify and Maintain Hematopoietic Stem Cells. Blood, 2015, 126, SCI-25-SCI-25.	0.6	1
100	Production of BMP4 By Endothelial Cells Is Crucial for Endogenous Thymic Regeneration. Blood, 2015, 126, 637-637.	0.6	0
101	Trkb Signaling in Pericytes Is Required for Cardiac Microvessel Stabilization. PLoS ONE, 2014, 9, e87406.	1.1	35
102	Endothelial Cells Provide a Notch-Dependent Pro-Tumoral Niche for Enhancing Breast Cancer Survival, Stemness and Pro-Metastatic Properties. PLoS ONE, 2014, 9, e112424.	1.1	68
103	Genome editing a mouse locus encoding a variant histone, H3.3B, to report on its expression in live animals. Genesis, 2014, 52, 959-966.	0.8	10
104	H3.3 replacement facilitates epigenetic reprogramming of donor nuclei in somatic cell nuclear transfer embryos. Nucleus, 2014, 5, 369-375.	0.6	32
105	Maladapted Endothelial Cells Flip the Mesenchymal Switch. Science Translational Medicine, 2014, 6, 227fs12.	5.8	7
106	Akt-Activated Endothelium Constitutes the Niche for Residual Disease and Resistance to Bevacizumab in Ovarian Cancer. Molecular Cancer Therapeutics, 2014, 13, 3123-3136.	1.9	29
107	Scaffold biomaterials for nano-pathophysiology. Advanced Drug Delivery Reviews, 2014, 74, 104-114.	6.6	12
108	Microparticles mediated cross-talk between tumoral and endothelial cells promote the constitution of a pro-metastatic vascular niche through Arf6 up regulation. Cancer Microenvironment, 2014, 7, 41-59.	3.1	45

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109	Angiocrine Factors Deployed by Tumor Vascular Niche Induce B Cell Lymphoma Invasiveness and Chemoresistance. Cancer Cell, 2014, 25, 350-365.	7.7	203
110	Divergent angiocrine signals from vascular niche balance liver regeneration and fibrosis. Nature, 2014, 505, 97-102.	13.7	496
111	Akt Suppression of TGFÎ² Signaling Contributes to the Maintenance of Vascular Identity in Embryonic Stem Cell-Derived Endothelial Cells. Stem Cells, 2014, 32, 177-190.	1.4	20
112	Activation of the vascular niche supports leukemic progression and resistance to chemotherapy. Experimental Hematology, 2014, 42, 976-986.e3.	0.2	47
113	Histone Variant H2A.X Deposition Pattern Serves as a Functional Epigenetic Mark for Distinguishing the Developmental Potentials of iPSCs. Cell Stem Cell, 2014, 15, 281-294.	5.2	58
114	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
115	Two waves of de novo methylation during mouse germ cell development. Genes and Development, 2014, 28, 1544-1549.	2.7	123
116	Histone variant H3.3 is an essential maternal factor for oocyte reprogramming. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 7325-7330.	3.3	95
117	Reprogramming human endothelial cells to haematopoietic cells requires vascular induction. Nature, 2014, 511, 312-318.	13.7	211
118	Completely ES Cell-Derived Mice Produced by Tetraploid Complementation Using Inner Cell Mass (ICM) Deficient Blastocysts. PLoS ONE, 2014, 9, e94730.	1.1	24
119	Direct Reprogramming of Amniotic Cells into Endothelial Cells. , 2014, , 67-85.		0
120	Notch Signaling By Either Notch1 or Notch2 Mediates Expansion of AGM-Derived Long-Term HSC Populations in Vitro. Blood, 2014, 124, 2897-2897.	0.6	0
121	Endothelial Cells Promote Endogenous Thymic Regeneration after Injury Via BMP4 Signaling. Blood, 2014, 124, 2429-2429.	0.6	0
122	Preferential transfer of mitochondria from endothelial to cancer cells through tunneling nanotubes modulates chemoresistance. Journal of Translational Medicine, 2013, 11, 94.	1.8	359
123	Molecular Signatures of Tissue-Specific Microvascular Endothelial Cell Heterogeneity in Organ Maintenance and Regeneration. Developmental Cell, 2013, 26, 204-219.	3.1	548
124	TGFÎ² restores hematopoietic homeostasis after myelosuppressive chemotherapy. Journal of Experimental Medicine, 2013, 210, 623-639.	4.2	73
125	Hira-Dependent Histone H3.3 Deposition Facilitates PRC2 Recruitment at Developmental Loci in ES Cells. Cell, 2013, 155, 107-120.	13.5	242
126	Endothelial cells provide a niche for placental hematopoietic stem/progenitor cell expansion through broad transcriptomic modification. Stem Cell Research, 2013, 11, 1074-1090.	0.3	25

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127	Endothelial Jagged-1 Is Necessary for Homeostatic and Regenerative Hematopoiesis. Cell Reports, 2013, 4, 1022-1034.	2.9	224
128	Painkillers caught in blood-cell trafficking. Nature, 2013, 495, 317-318.	13.7	2
129	Wading through the waves of human embryonic hemogenesis. Cell Cycle, 2013, 12, 859-860.	1.3	2
130	Human ESC-derived hemogenic endothelial cells undergo distinct waves of endothelial to hematopoietic transition. Blood, 2013, 121, 770-780.	0.6	78
131	Retinal angiogenesis suppression through small molecule activation of p53. Journal of Clinical Investigation, 2013, 123, 4170-4181.	3.9	24
132	Impaired Endothelial Progenitor Cell Mobilization and Dysfunctional Bone Marrow Stroma in Diabetes Mellitus. PLoS ONE, 2013, 8, e60357.	1.1	63
133	In Vivo Selection and Long-Term Engraftment Of Hematopoietic Stem Cells Generated Via Vascular Niche Induction Of Nonhuman Primate Induced Pluripotent Stem Cells. Blood, 2013, 122, 466-466.	0.6	1
134	AGM-Derived Endothelial Cells and Notch Ligands Provide Embryonic Hematopoietic Stem Cell-Supportive Niches In Vitro. Blood, 2013, 122, 1167-1167.	0.6	0
135	S1P and the birth of platelets. Journal of Experimental Medicine, 2012, 209, 2137-2140.	4.2	34
136	Myeloid Progenitor Cells in the Premetastatic Lung Promote Metastases by Inducing Mesenchymal to Epithelial Transition. Cancer Research, 2012, 72, 1384-1394.	0.4	261
137	Efficient Direct Reprogramming of Mature Amniotic Cells into Endothelial Cells by ETS Factors and TGFÎ² Suppression. Cell, 2012, 151, 559-575.	13.5	212
138	Development of a vascular niche platform for expansion of repopulating human cord blood stem and progenitor cells. Blood, 2012, 120, 1344-1347.	0.6	90
139	Flow-Regulated Endothelial S1P Receptor-1 Signaling Sustains Vascular Development. Developmental Cell, 2012, 23, 600-610.	3.1	269
140	Airway basal cell vascular endothelial growth factor-mediated cross-talk regulates endothelial cell-dependent growth support of human airway basal cells. Cellular and Molecular Life Sciences, 2012, 69, 2217-2231.	2.4	27
141	Incremental increase in VEGFR1+ hematopoietic progenitor cells and VEGFR2+ endothelial progenitor cells predicts relapse and lack of tumor response in breast cancer patients. Breast Cancer Research and Treatment, 2012, 132, 235-242.	1.1	31
142	TGFÎ² Restores Hematopoietic Homeostasis After Chemotherapy.. Blood, 2012, 120, 2344-2344.	0.6	0
143	Endothelial-Derived Angiocrine Signals Induce and Sustain Regenerative Lung Alveolarization. Cell, 2011, 147, 539-553.	13.5	436
144	Directional DNA Methylation Changes and Complex Intermediate States Accompany Lineage Specificity in the Adult Hematopoietic Compartment. Molecular Cell, 2011, 44, 17-28.	4.5	261

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145	Slitrks as emerging candidate genes involved in neuropsychiatric disorders. Trends in Neurosciences, 2011, 34, 143-153.	4.2	88
146	Stromalâ€derived factorâ€1 delivered via hydrogel drugâ€delivery vehicle accelerates wound healing in vivo. Wound Repair and Regeneration, 2011, 19, 420-425.	1.5	52
147	In vitro sperm maturation. Nature, 2011, 471, 453-454.	13.7	4
148	Loss or Inhibition of Stromal-Derived PlGF Prolongs Survival of Mice with Imatinib-Resistant Bcr-Abl1+ Leukemia. Cancer Cell, 2011, 19, 740-753.	7.7	124
149	Migration of growth factor-stimulated epithelial and endothelial cells depends on EGFR transactivation by ADAM17. Nature Communications, 2011, 2, 229.	5.8	128
150	A target for antiangiogenic therapy: Vascular endothelium derived from glioblastoma. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 4271-4272.	3.3	13
151	c-Kit-Mediated Functional Positioning of Stem Cells to Their Niches Is Essential for Maintenance and Regeneration of Adult Hematopoiesis. PLoS ONE, 2011, 6, e26918.	1.1	73
152	Continuous Delivery of Stromal Cell-Derived Factor-1 from Alginate Scaffolds Accelerates Wound Healing. Cell Transplantation, 2010, 19, 399-408.	1.2	143
153	Role of Cardiac Myocyte CXCR4 Expression in Development and Left Ventricular Remodeling After Acute Myocardial Infarction. Circulation Research, 2010, 107, 667-676.	2.0	68
154	Cholesterol activates vascular niche and hematopoiesis. Blood, 2010, 115, 3857-3858.	0.6	2
155	Inductive angiocrine signals from sinusoidal endothelium are required for liver regeneration. Nature, 2010, 468, 310-315.	13.7	686
156	Angiocrine factors from Akt-activated endothelial cells balance self-renewal and differentiation of haematopoietic stem cells. Nature Cell Biology, 2010, 12, 1046-1056.	4.6	343
157	Instructive role of the vascular niche in promoting tumour growth and tissue repair by angiocrine factors. Nature Reviews Cancer, 2010, 10, 138-146.	12.8	511
158	Sept4/ARTS is required for stem cell apoptosis and tumor suppression. Genes and Development, 2010, 24, 2282-2293.	2.7	82
159	New Dimensions in Vascular Engineering: Opportunities for Cancer Biology. Tissue Engineering - Part A, 2010, 16, 2157-2159.	1.6	3
160	Slitrk5 deficiency impairs corticostriatal circuitry and leads to obsessive-compulsiveâ€“like behaviors in mice. Nature Medicine, 2010, 16, 598-602.	15.2	281
161	Generation of Stable Co-Cultures of Vascular Cells in a Honeycomb Alginate Scaffold. Tissue Engineering - Part A, 2010, 16, 299-308.	1.6	37
162	Distinct Factors Control Histone Variant H3.3 Localization at Specific Genomic Regions. Cell, 2010, 140, 678-691.	13.5	1,069

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163	Plzf Regulates Germline Progenitor Self-Renewal by Opposing mTORC1. Cell, 2010, 142, 468-479.	13.5	237
164	Endothelial Cells Are Essential for the Self-Renewal and Repopulation of Notch-Dependent Hematopoietic Stem Cells. Cell Stem Cell, 2010, 6, 251-264.	5.2	582
165	Expansion and maintenance of human embryonic stem cellâ€“derived endothelial cells by TGFÎ² inhibition is Id1 dependent. Nature Biotechnology, 2010, 28, 161-166.	9.4	282
166	Suppression of Tumor Angiogenesis by Gî±13 Haploinsufficiency. Journal of Biological Chemistry, 2009, 284, 27409-27415.	1.6	10
167	Transforming Growth Factor-Î² Promotes Recruitment of Bone Marrow Cells and Bone Marrow-derived Mesenchymal Stem Cells through Stimulation of MCP-1 Production in Vascular Smooth Muscle Cells. Journal of Biological Chemistry, 2009, 284, 17564-17574.	1.6	110
168	Angiomodulin Is a Specific Marker of Vasculature and Regulates Vascular Endothelial Growth Factor-Aâ€“Dependent Neoangiogenesis. Circulation Research, 2009, 105, 201-208.	2.0	47
169	Kaplan et al. reply. Nature, 2009, 461, E5-E5.	13.7	2
170	Cancer stem cells are everywhere. Nature Medicine, 2009, 15, 23-23.	15.2	17
171	Functional Heterogeneity of the Bone Marrow Vascular Niche. Annals of the New York Academy of Sciences, 2009, 1176, 47-54.	1.8	56
172	Engraftment and Reconstitution of Hematopoiesis Is Dependent on VEGFR2-Mediated Regeneration of Sinusoidal Endothelial Cells. Cell Stem Cell, 2009, 4, 263-274.	5.2	548
173	Emerging biology of vascular wall progenitor cells in health and disease. Trends in Molecular Medicine, 2009, 15, 501-509.	3.5	66
174	The role of progenitor cells in the development of intimal hyperplasia. Journal of Vascular Surgery, 2009, 49, 502-510.	0.6	43
175	SURROGATE MARKERS PREDICT ANGIOGENIC POTENTIAL AND SURVIVAL IN PATIENTS WITH GLIOBLASTOMA MULTIFORME. Neurosurgery, 2009, 64, 819-827.	0.6	43
176	Id1 Represses Osteoclast-Dependent Transcription and Affects Bone Formation and Hematopoiesis. PLoS ONE, 2009, 4, e7955.	1.1	29
177	Endothelial Ontogeny During Embryogenesis: Role of Cytokine Signaling Pathways. , 2009, , 319-328.		0
178	Activation State of the Vascular Niche Regulates Homeostasis of the Normal and Malignant Hematopoietic Stem Cells.. Blood, 2009, 114, 3624-3624.	0.6	0
179	Cerebral malaria is associated with low levels of circulating endothelial progenitor cells in African children. American Journal of Tropical Medicine and Hygiene, 2009, 80, 541-6.	0.6	8
180	Circulating endothelial progenitor cells correlate to stage in patients with invasive breast cancer. Breast Cancer Research and Treatment, 2008, 107, 133-138.	1.1	89

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