

# Shahin Rafii

## List of Publications by Year in descending order

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304  
papers

47,121  
citations

2322

98  
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1799

211  
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310  
all docs

310  
docs citations

310  
times ranked

44447  
citing authors

#	ARTICLE	IF	CITATIONS
1	VEGFR1-positive haematopoietic bone marrow progenitors initiate the pre-metastatic niche. <i>Nature</i> , 2005, 438, 820-827.	27.8	2,841
2	Expression of VEGFR-2 and AC133 by circulating human CD34+ cells identifies a population of functional endothelial precursors. <i>Blood</i> , 2000, 95, 952-958.	1.4	2,090
3	Impaired recruitment of bone-marrow-derived endothelial and hematopoietic precursor cells blocks tumor angiogenesis and growth. <i>Nature Medicine</i> , 2001, 7, 1194-1201.	30.7	1,784
4	Recruitment of Stem and Progenitor Cells from the Bone Marrow Niche Requires MMP-9 Mediated Release of Kit-Ligand. <i>Cell</i> , 2002, 109, 625-637.	28.9	1,630
5	Evidence for Circulating Bone Marrow-Derived Endothelial Cells. <i>Blood</i> , 1998, 92, 362-367.	1.4	1,582
6	Therapeutic stem and progenitor cell transplantation for organ vascularization and regeneration. <i>Nature Medicine</i> , 2003, 9, 702-712.	30.7	1,529
7	Tumor Response to Radiotherapy Regulated by Endothelial Cell Apoptosis. <i>Science</i> , 2003, 300, 1155-1159.	12.6	1,474
8	Distinct Factors Control Histone Variant H3.3 Localization at Specific Genomic Regions. <i>Cell</i> , 2010, 140, 678-691.	28.9	1,069
9	Vascular Trauma Induces Rapid but Transient Mobilization of VEGFR2 <sup>+</sup> AC133 <sup>+</sup> Endothelial Precursor Cells. <i>Circulation Research</i> , 2001, 88, 167-174.	4.5	777
10	CD133 expression is not restricted to stem cells, and both CD133 <sup>+</sup> and CD133 <sup>-</sup> metastatic colon cancer cells initiate tumors. <i>Journal of Clinical Investigation</i> , 2008, 118, 2111-20.	8.2	736
11	Angiocrine functions of organ-specific endothelial cells. <i>Nature</i> , 2016, 529, 316-325.	27.8	717
12	Chemokine-mediated interaction of hematopoietic progenitors with the bone marrow vascular niche is required for thrombopoiesis. <i>Nature Medicine</i> , 2004, 10, 64-71.	30.7	697
13	Inductive angiocrine signals from sinusoidal endothelium are required for liver regeneration. <i>Nature</i> , 2010, 468, 310-315.	27.8	686
14	Vascular and haematopoietic stem cells: novel targets for anti-angiogenesis therapy?. <i>Nature Reviews Cancer</i> , 2002, 2, 826-835.	28.4	670
15	Vascular Endothelial Growth Factor and Angiopoietin-1 Stimulate Postnatal Hematopoiesis by Recruitment of Vasculogenic and Hematopoietic Stem Cells. <i>Journal of Experimental Medicine</i> , 2001, 193, 1005-1014.	8.5	646
16	Cytokine-mediated deployment of SDF-1 induces revascularization through recruitment of CXCR4 <sup>+</sup> hemangiocytes. <i>Nature Medicine</i> , 2006, 12, 557-567.	30.7	616
17	Placental growth factor reconstitutes hematopoiesis by recruiting VEGFR1 <sup>+</sup> stem cells from bone-marrow microenvironment. <i>Nature Medicine</i> , 2002, 8, 841-849.	30.7	602
18	Preparing the "Soil": The Premetastatic Niche. <i>Cancer Research</i> , 2006, 66, 11089-11093.	0.9	582

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19	Endothelial Cells Are Essential for the Self-Renewal and Repopulation of Notch-Dependent Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2010, 6, 251-264.	11.1	582
20	Distinct bone marrow blood vessels differentially regulate haematopoiesis. <i>Nature</i> , 2016, 532, 323-328.	27.8	553
21	Engraftment and Reconstitution of Hematopoiesis Is Dependent on VEGFR2-Mediated Regeneration of Sinusoidal Endothelial Cells. <i>Cell Stem Cell</i> , 2009, 4, 263-274.	11.1	548
22	Molecular Signatures of Tissue-Specific Microvascular Endothelial Cell Heterogeneity in Organ Maintenance and Regeneration. <i>Developmental Cell</i> , 2013, 26, 204-219.	7.0	548
23	The SDF-1 $\alpha$ -CXCR4 signaling pathway: a molecular hub modulating neo-angiogenesis. <i>Trends in Immunology</i> , 2007, 28, 299-307.	6.8	518
24	Instructive role of the vascular niche in promoting tumour growth and tissue repair by angiocrine factors. <i>Nature Reviews Cancer</i> , 2010, 10, 138-146.	28.4	511
25	Divergent angiocrine signals from vascular niche balance liver regeneration and fibrosis. <i>Nature</i> , 2014, 505, 97-102.	27.8	496
26	Plasma elevation of stromal cell-derived factor-1 induces mobilization of mature and immature hematopoietic progenitor and stem cells. <i>Blood</i> , 2001, 97, 3354-3360.	1.4	494
27	Endothelial-Derived Angiocrine Signals Induce and Sustain Regenerative Lung Alveolarization. <i>Cell</i> , 2011, 147, 539-553.	28.9	436
28	Generation of functional multipotent adult stem cells from GPR125+ germline progenitors. <i>Nature</i> , 2007, 449, 346-350.	27.8	430
29	The Bone Marrow Vascular Niche: Home of HSC Differentiation and Mobilization. <i>Physiology</i> , 2005, 20, 349-356.	3.1	406
30	Transformation of primary human endothelial cells by Kaposi's sarcoma-associated herpesvirus. <i>Nature</i> , 1998, 394, 588-592.	27.8	402
31	Autocrine stimulation of VEGFR-2 activates human leukemic cell growth and migration. <i>Journal of Clinical Investigation</i> , 2000, 106, 511-521.	8.2	384
32	Dendritic Cells Genetically Modified with an Adenovirus Vector Encoding the cDNA for a Model Antigen Induce Protective and Therapeutic Antitumor Immunity. <i>Journal of Experimental Medicine</i> , 1997, 186, 1247-1256.	8.5	376
33	Circulating endothelial precursors: mystery, reality, and promise. <i>Journal of Clinical Investigation</i> , 2000, 105, 17-19.	8.2	376
34	Endothelial Trophic Support of Neuronal Production and Recruitment from the Adult Mammalian Subependyma. <i>Molecular and Cellular Neurosciences</i> , 1999, 13, 450-464.	2.2	375
35	Preferential transfer of mitochondria from endothelial to cancer cells through tunneling nanotubes modulates chemoresistance. <i>Journal of Translational Medicine</i> , 2013, 11, 94.	4.4	359
36	VEGFR-3 and CD133 identify a population of CD34+ lymphatic/vascular endothelial precursor cells. <i>Blood</i> , 2003, 101, 168-172.	1.4	356

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37	PML inhibits HIF-1 $\alpha$ translation and neoangiogenesis through repression of mTOR. <i>Nature</i> , 2006, 442, 779-785.	27.8	354
38	Migratory neighbors and distant invaders: tumor-associated niche cells. <i>Genes and Development</i> , 2008, 22, 559-574.	5.9	350
39	Angiocrine factors from Akt-activated endothelial cells balance self-renewal and differentiation of haematopoietic stem cells. <i>Nature Cell Biology</i> , 2010, 12, 1046-1056.	10.3	343
40	AC133/CD133/Prominin-1. <i>International Journal of Biochemistry and Cell Biology</i> , 2005, 37, 715-719.	2.8	336
41	Young Adult Bone Marrow $\alpha$ Derived Endothelial Precursor Cells Restore Aging-Impaired Cardiac Angiogenic Function. <i>Circulation Research</i> , 2002, 90, E89-93.	4.5	290
42	Cd44 Is a Major E-Selectin Ligand on Human Hematopoietic Progenitor Cells. <i>Journal of Cell Biology</i> , 2001, 153, 1277-1286.	5.2	288
43	Expansion and maintenance of human embryonic stem cell $\alpha$ derived endothelial cells by TGF $\beta$ 2 inhibition is Id1 dependent. <i>Nature Biotechnology</i> , 2010, 28, 161-166.	17.5	282
44	Slitrk5 deficiency impairs corticostriatal circuitry and leads to obsessive-compulsive $\alpha$ like behaviors in mice. <i>Nature Medicine</i> , 2010, 16, 598-602.	30.7	281
45	Flow-Regulated Endothelial S1P Receptor-1 Signaling Sustains Vascular Development. <i>Developmental Cell</i> , 2012, 23, 600-610.	7.0	269
46	Directional DNA Methylation Changes and Complex Intermediate States Accompany Lineage Specificity in the Adult Hematopoietic Compartment. <i>Molecular Cell</i> , 2011, 44, 17-28.	9.7	261
47	Myeloid Progenitor Cells in the Premetastatic Lung Promote Metastases by Inducing Mesenchymal to Epithelial Transition. <i>Cancer Research</i> , 2012, 72, 1384-1394.	0.9	261
48	Critical Role of Histone Turnover in Neuronal Transcription and Plasticity. <i>Neuron</i> , 2015, 87, 77-94.	8.1	257
49	Tumour exosomal CEMIP protein promotes cancer cell colonization in brain metastasis. <i>Nature Cell Biology</i> , 2019, 21, 1403-1412.	10.3	254
50	Hira-Dependent Histone H3.3 Deposition Facilitates PRC2 Recruitment at Developmental Loci in ES Cells. <i>Cell</i> , 2013, 155, 107-120.	28.9	242
51	Vascular endothelial growth factor (VEGF) $\alpha$ C signaling through FLT-4 (VEGFR-3) mediates leukemic cell proliferation, survival, and resistance to chemotherapy. <i>Blood</i> , 2002, 99, 2179-2184.	1.4	241
52	Platelets, Petechiae, and Preservation of the Vascular Wall. <i>New England Journal of Medicine</i> , 2008, 359, 1261-1270.	27.0	241
53	VEGF165 promotes survival of leukemic cells by Hsp90-mediated induction of Bcl-2 expression and apoptosis inhibition. <i>Blood</i> , 2002, 99, 2532-2540.	1.4	238
54	Effect of angiogenesis inhibition by Id loss and the contribution of bone-marrow-derived endothelial cells in spontaneous murine tumors. <i>Cancer Cell</i> , 2003, 4, 277-289.	16.8	238

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55	Plzf Regulates Germline Progenitor Self-Renewal by Opposing mTORC1. <i>Cell</i> , 2010, 142, 468-479.	28.9	237
56	Novel Vascular Endothelial Growth Factor Binding Domains of Fibronectin Enhance Vascular Endothelial Growth Factor Biological Activity. <i>Circulation Research</i> , 2002, 91, 25-31.	4.5	232
57	Transendothelial Migration of Megakaryocytes in Response to Stromal Cell-derived Factor 1 (SDF-1) Enhances Platelet Formation. <i>Journal of Experimental Medicine</i> , 1998, 188, 539-548.	8.5	229
58	Chemotaxis of primitive hematopoietic cells in response to stromal cell-derived factor-1. <i>Journal of Clinical Investigation</i> , 2000, 105, 101-111.	8.2	226
59	Endothelial Jagged-1 Is Necessary for Homeostatic and Regenerative Hematopoiesis. <i>Cell Reports</i> , 2013, 4, 1022-1034.	6.4	224
60	Kaposi's sarcoma associated herpesvirus G protein-coupled receptor immortalizes human endothelial cells by activation of the VEGF receptor-2/ KDR. <i>Cancer Cell</i> , 2003, 3, 131-143.	16.8	221
61	Low-dose irradiation promotes tissue revascularization through VEGF release from mast cells and MMP-9-mediated progenitor cell mobilization. <i>Journal of Experimental Medicine</i> , 2005, 202, 739-750.	8.5	218
62	Combretastatin A4 phosphate induces rapid regression of tumor neovessels and growth through interference with vascular endothelial-cadherin signaling. <i>Journal of Clinical Investigation</i> , 2005, 115, 2992-3006.	8.2	217
63	Efficient Direct Reprogramming of Mature Amniotic Cells into Endothelial Cells by ETS Factors and TGF $\beta$ 2 Suppression. <i>Cell</i> , 2012, 151, 559-575.	28.9	212
64	Reprogramming human endothelial cells to haematopoietic cells requires vascular induction. <i>Nature</i> , 2014, 511, 312-318.	27.8	211
65	Neurotrophins promote revascularization by local recruitment of TrkB+ endothelial cells and systemic mobilization of hematopoietic progenitors. <i>Journal of Clinical Investigation</i> , 2005, 115, 653-663.	8.2	210
66	The Id proteins and angiogenesis. <i>Oncogene</i> , 2001, 20, 8334-8341.	5.9	209
67	Contribution of endothelial progenitors and proangiogenic hematopoietic cells to vascularization of tumor and ischemic tissue. <i>Current Opinion in Hematology</i> , 2006, 13, 175-181.	2.5	206
68	Angiocrine Factors Deployed by Tumor Vascular Niche Induce B Cell Lymphoma Invasiveness and Chemoresistance. <i>Cancer Cell</i> , 2014, 25, 350-365.	16.8	203
69	Differentiation of human pluripotent stem cells to cells similar to cord-blood endothelial colony-forming cells. <i>Nature Biotechnology</i> , 2014, 32, 1151-1157.	17.5	203
70	Targeting of the pulmonary capillary vascular niche promotes lung alveolar repair and ameliorates fibrosis. <i>Nature Medicine</i> , 2016, 22, 154-162.	30.7	201
71	Splitting vessels: Keeping lymph apart from blood. <i>Nature Medicine</i> , 2003, 9, 166-168.	30.7	193
72	Conversion of adult endothelium to immunocompetent haematopoietic stem cells. <i>Nature</i> , 2017, 545, 439-445.	27.8	191

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73	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.	5.6	185
74	Angiogenesis: vascular remodeling of the extracellular matrix involves metalloproteinases. Current Opinion in Hematology, 2003, 10, 136-141.	2.5	168
75	The vascular endothelial growth factor receptor (VEGFR $\alpha$ 1) supports growth and survival of human breast carcinoma. International Journal of Cancer, 2006, 119, 1519-1529.	5.1	162
76	In Vivo-Restricted and Reversible Malignancy Induced by Human Herpesvirus-8 KSHV: A Cell and Animal Model of Virally Induced Kaposi's Sarcoma. Cancer Cell, 2007, 11, 245-258.	16.8	148
77	VEGF-A Stimulates ADAM17-Dependent Shedding of VEGFR2 and Crosstalk Between VEGFR2 and ERK Signaling. Circulation Research, 2008, 103, 916-918.	4.5	146
78	Adaptable haemodynamic endothelial cells for organogenesis and tumorigenesis. Nature, 2020, 585, 426-432.	27.8	145
79	Regulation of Hematopoiesis by Microvascular Endothelium. Leukemia and Lymphoma, 1997, 27, 375-386.	1.3	144
80	Alternative promoters regulate transcription of the gene that encodes stem cell surface protein AC133. Blood, 2004, 103, 2055-2061.	1.4	144
81	Continuous Delivery of Stromal Cell-Derived Factor-1 from Alginate Scaffolds Accelerates Wound Healing. Cell Transplantation, 2010, 19, 399-408.	2.5	143
82	Transcriptome Analysis of Individual Stromal Cell Populations Identifies Stroma-Tumor Crosstalk in Mouse Lung Cancer Model. Cell Reports, 2015, 10, 1187-1201.	6.4	137
83	Contribution of marrow-derived progenitors to vascular and cardiac regeneration. Seminars in Cell and Developmental Biology, 2002, 13, 61-67.	5.0	135
84	Interleukin $\alpha$ 1 $\pm$ (IL $\alpha$ 1 $\pm$ ) promotes angiogenesis in vivo via VEGFR $\alpha$ 2 pathway by inducing inflammatory cell VEGF synthesis and secretion. FASEB Journal, 2002, 16, 1471-1473.	0.5	133
85	Migration of growth factor-stimulated epithelial and endothelial cells depends on EGFR transactivation by ADAM17. Nature Communications, 2011, 2, 229.	12.8	128
86	Molecular pathways regulating mobilization of marrow-derived stem cells for tissue revascularization. Trends in Molecular Medicine, 2003, 9, 109-117.	6.7	126
87	Angiogenic Factors Reconstitute Hematopoiesis by Recruiting Stem Cells from Bone Marrow Microenvironment. Annals of the New York Academy of Sciences, 2003, 996, 49-60.	3.8	124
88	Generation of a functional and durable vascular niche by the adenoviral <i>E4ORF1</i> gene. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 19288-19293.	7.1	124
89	Loss or Inhibition of Stromal-Derived PlGF Prolongs Survival of Mice with Imatinib-Resistant Bcr-Abl1+ Leukemia. Cancer Cell, 2011, 19, 740-753.	16.8	124
90	Two waves of de novo methylation during mouse germ cell development. Genes and Development, 2014, 28, 1544-1549.	5.9	123

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91	Platelet-derived SDF-1 primes the pulmonary capillary vascular niche to drive lung alveolar regeneration. <i>Nature Cell Biology</i> , 2015, 17, 123-136.	10.3	120
92	Pluripotent stem cell-derived epithelium misidentified as brain microvascular endothelium requires ETS factors to acquire vascular fate. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	119
93	The Regulation of Hematopoietic Stem Cell and Progenitor Mobilization by Chemokine SDF-1. <i>Leukemia and Lymphoma</i> , 2003, 44, 575-582.	1.3	115
94	Trophic Effects of Platelets on Cultured Endothelial Cells are Mediated by Platelet-associated Fibroblast Growth Factor-2 (FGF-2) and Vascular Endothelial Growth Factor (VEGF). <i>Thrombosis and Haemostasis</i> , 2002, 88, 834-842.	3.4	112
95	Tie2 activation contributes to hemangiogenic regeneration after myelosuppression. <i>Blood</i> , 2005, 106, 505-513.	1.4	110
96	Transforming Growth Factor- $\beta$ 2 Promotes Recruitment of Bone Marrow Cells and Bone Marrow-derived Mesenchymal Stem Cells through Stimulation of MCP-1 Production in Vascular Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2009, 284, 17564-17574.	3.4	110
97	Characterization of hematopoietic cells arising on the textured surface of left ventricular assist devices. <i>Annals of Thoracic Surgery</i> , 1995, 60, 1627-1632.	1.3	109
98	Molecular Checkpoint Decisions Made by Subverted Vascular Niche Transform Indolent Tumor Cells into Chemoresistant Cancer Stem Cells. <i>Cancer Cell</i> , 2017, 31, 110-126.	16.8	108
99	Role of c-kit/Kit ligand signaling in regulating vasculogenesis. <i>Thrombosis and Haemostasis</i> , 2003, 90, 570-576.	3.4	103
100	Vascular niche promotes hematopoietic multipotent progenitor formation from pluripotent stem cells. <i>Journal of Clinical Investigation</i> , 2015, 125, 1243-1254.	8.2	96
101	Histone variant H3.3 is an essential maternal factor for oocyte reprogramming. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 7325-7330.	7.1	95
102	Thrombospondins deployed by thrombopoietic cells determine angiogenic switch and extent of revascularization. <i>Journal of Clinical Investigation</i> , 2006, 116, 3277-3291.	8.2	95
103	Production of BMP4 by endothelial cells is crucial for endogenous thymic regeneration. <i>Science Immunology</i> , 2018, 3, .	11.9	93
104	Expression and secretion of vascular endothelial growth factor-A by cytokine-stimulated hematopoietic progenitor cells. <i>Experimental Hematology</i> , 2000, 28, 700-706.	0.4	91
105	Targeting the vascular and perivascular niches as a regenerative therapy for lung and liver fibrosis. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	91
106	[3.3]Metacyclophane: a novel synthesis and a study of the structure through x-ray diffraction, molecular mechanics, and solution NMR analysis. <i>Journal of the American Chemical Society</i> , 1985, 107, 7508-7514.	13.7	90
107	Development of a vascular niche platform for expansion of repopulating human cord blood stem and progenitor cells. <i>Blood</i> , 2012, 120, 1344-1347.	1.4	90
108	Circulating endothelial progenitor cells correlate to stage in patients with invasive breast cancer. <i>Breast Cancer Research and Treatment</i> , 2008, 107, 133-138.	2.5	89

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109	Slit1 as emerging candidate genes involved in neuropsychiatric disorders. Trends in Neurosciences, 2011, 34, 143-153.	8.6	88
110	Testicular endothelial cells are a critical population in the germline stem cell niche. Nature Communications, 2018, 9, 4379.	12.8	85
111	Molecular determinants of nephron vascular specialization in the kidney. Nature Communications, 2019, 10, 5705.	12.8	83
112	Sept4/ARTS is required for stem cell apoptosis and tumor suppression. Genes and Development, 2010, 24, 2282-2293.	5.9	82
113	S100 chemokines mediate bookmarking of premetastatic niches. Nature Cell Biology, 2006, 8, 1321-1323.	10.3	81
114	A Catalytic Role for Proangiogenic Marrow-Derived Cells in Tumor Neovascularization. Cancer Cell, 2008, 13, 181-183.	16.8	81
115	Slit1 Mediates BDNF-Dependent TrkB Receptor Trafficking and Signaling. Developmental Cell, 2015, 33, 690-702.	7.0	81
116	Human ESC-derived hemogenic endothelial cells undergo distinct waves of endothelial to hematopoietic transition. Blood, 2013, 121, 770-780.	1.4	78
117	Magnitude of Stromal Hemangiogenesis Correlates with Histologic Subtype of Non-Hodgkin's Lymphoma. Clinical Cancer Research, 2006, 12, 5622-5631.	7.0	76
118	Endothelium and NOTCH specify and amplify aorta-gonad-mesonephros-derived hematopoietic stem cells. Journal of Clinical Investigation, 2015, 125, 2032-2045.	8.2	74
119	TGF $\beta$ 2 restores hematopoietic homeostasis after myelosuppressive chemotherapy. Journal of Experimental Medicine, 2013, 210, 623-639.	8.5	73
120	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.	2.5	73
121	Endothelial progenitor cell levels in obese men with the metabolic syndrome and the effect of simvastatin monotherapy vs. simvastatin/ezetimibe combination therapy. European Heart Journal, 2008, 29, 2808-2817.	2.2	71
122	Multiple stages of malignant transformation of human endothelial cells modelled by co-expression of telomerase reverse transcriptase, SV40 T antigen and oncogenic N-ras. Oncogene, 2002, 21, 4200-4211.	5.9	70
123	Role of Cardiac Myocyte CXCR4 Expression in Development and Left Ventricular Remodeling After Acute Myocardial Infarction. Circulation Research, 2010, 107, 667-676.	4.5	68
124	Endothelial Cells Provide a Notch-Dependent Pro-Tumoral Niche for Enhancing Breast Cancer Survival, Stemness and Pro-Metastatic Properties. PLoS ONE, 2014, 9, e112424.	2.5	68
125	Emerging biology of vascular wall progenitor cells in health and disease. Trends in Molecular Medicine, 2009, 15, 501-509.	6.7	66
126	BMEC-1: A Human Bone Marrow Microvascular Endothelial Cell Line with Primary Cell Characteristics. Microvascular Research, 1996, 52, 221-234.	2.5	64



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127	The microtubule-targeting agent CA4P regresses leukemic xenografts by disrupting interaction with vascular cells and mitochondrial-dependent cell death. <i>Blood</i> , 2008, 111, 1951-1961.	1.4	64
128	Concerted regulation of retinal pigment epithelium basement membrane and barrier function by angiocrine factors. <i>Nature Communications</i> , 2017, 8, 15374.	12.8	64
129	Endothelial jagged-2 sustains hematopoietic stem and progenitor reconstitution after myelosuppression. <i>Journal of Clinical Investigation</i> , 2017, 127, 4242-4256.	8.2	63
130	Impaired Endothelial Progenitor Cell Mobilization and Dysfunctional Bone Marrow Stroma in Diabetes Mellitus. <i>PLoS ONE</i> , 2013, 8, e60357.	2.5	63
131	A Few to Flip the Angiogenic Switch. <i>Science</i> , 2008, 319, 163-164.	12.6	62
132	Regulation of Transendothelial Migration of Hematopoietic Progenitor Cells. <i>Annals of the New York Academy of Sciences</i> , 1999, 872, 176-186.	3.8	61
133	HDL activation of endothelial sphingosine-1-phosphate receptor-1 (S1P1) promotes regeneration and suppresses fibrosis in the liver. <i>JCI Insight</i> , 2016, 1, e87058.	5.0	59
134	Interleukin-5 and the regulation of eosinophil production. <i>Current Opinion in Hematology</i> , 1999, 6, 164.	2.5	59
135	Cytokine Preconditioning Promotes Codifferentiation of Human Fetal Liver CD133+Stem Cells Into Angiomyogenic Tissue. <i>Circulation</i> , 2005, 111, 1175-1183.	1.6	58
136	Histone Variant H2A.X Deposition Pattern Serves as a Functional Epigenetic Mark for Distinguishing the Developmental Potentials of iPSCs. <i>Cell Stem Cell</i> , 2014, 15, 281-294.	11.1	58
137	Fetal Stromalâ€“Dependent Paracrine and Intracrine Vascular Endothelial Growth Factor-A/Vascular Endothelial Growth Factor Receptor-1 Signaling Promotes Proliferation and Motility of Human Primary Myeloma Cells. <i>Cancer Research</i> , 2005, 65, 3185-3192.	0.9	56
138	Functional Heterogeneity of the Bone Marrow Vascular Niche. <i>Annals of the New York Academy of Sciences</i> , 2009, 1176, 47-54.	3.8	56
139	An activated form of ADAM10 is tumor selective and regulates cancer stem-like cells and tumor growth. <i>Journal of Experimental Medicine</i> , 2016, 213, 1741-1757.	8.5	55
140	Single-cell profiling reveals an endothelium-mediated immunomodulatory pathway in the eye choroid. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	55
141	Angiocrine endothelium: from physiology to cancer. <i>Journal of Translational Medicine</i> , 2020, 18, 52.	4.4	53
142	Stromalâ€“derived factorâ€“1 delivered via hydrogel drugâ€“delivery vehicle accelerates wound healing in vivo. <i>Wound Repair and Regeneration</i> , 2011, 19, 420-425.	3.0	52
143	Multipotent progenitors and hematopoietic stem cells arise independently from hemogenic endothelium in the mouse embryo. <i>Cell Reports</i> , 2021, 36, 109675.	6.4	50
144	Green fluorescent protein selectively induces HSP70-mediated up-regulation of COX-2 expression in endothelial cells. <i>Blood</i> , 2003, 102, 2115-2121.	1.4	49

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145	Pluripotency transcription factors and Tet1/2 maintain Brd4-independent stem cell identity. <i>Nature Cell Biology</i> , 2018, 20, 565-574.	10.3	49
146	Chiral 1,4-dihydropyridines. Synthesis and absolute configuration.. <i>Tetrahedron Letters</i> , 1981, 22, 5123-5126.	1.4	47
147	Inflammation Joins the "Niche". <i>Cancer Cell</i> , 2008, 14, 347-349.	16.8	47
148	Angiomodulin Is a Specific Marker of Vasculature and Regulates Vascular Endothelial Growth Factor-Dependent Neoangiogenesis. <i>Circulation Research</i> , 2009, 105, 201-208.	4.5	47
149	Activation of the vascular niche supports leukemic progression and resistance to chemotherapy. <i>Experimental Hematology</i> , 2014, 42, 976-986.e3.	0.4	47
150	Microparticles mediated cross-talk between tumoral and endothelial cells promote the constitution of a pro-metastatic vascular niche through Arf6 up regulation. <i>Cancer Microenvironment</i> , 2014, 7, 41-59.	3.1	45
151	Tumor vasculature address book. <i>Cancer Cell</i> , 2003, 4, 331-333.	16.8	44
152	Adenovirus E4 Gene Promotes Selective Endothelial Cell Survival and Angiogenesis via Activation of the Vascular Endothelial-Cadherin/Akt Signaling Pathway. <i>Journal of Biological Chemistry</i> , 2004, 279, 11760-11766.	3.4	44
153	The role of progenitor cells in the development of intimal hyperplasia. <i>Journal of Vascular Surgery</i> , 2009, 49, 502-510.	1.1	43
154	SURROGATE MARKERS PREDICT ANGIOGENIC POTENTIAL AND SURVIVAL IN PATIENTS WITH GLIOBLASTOMA MULTIFORME. <i>Neurosurgery</i> , 2009, 64, 819-827.	1.1	43
155	Breast cancer cells promote a notch-dependent mesenchymal phenotype in endothelial cells participating to a pro-tumoral niche. <i>Journal of Translational Medicine</i> , 2015, 13, 27.	4.4	43
156	Endothelial cell adaptation in regeneration. <i>Science</i> , 2018, 362, 1116-1117.	12.6	43
157	Histone variant H3.3-mediated chromatin remodeling is essential for paternal genome activation in mouse preimplantation embryos. <i>Journal of Biological Chemistry</i> , 2018, 293, 3829-3838.	3.4	42
158	A Common Origin for B-1a and B-2 Lymphocytes in Clonal Pre- Hematopoietic Stem Cells. <i>Stem Cell Reports</i> , 2017, 8, 1563-1572.	4.8	41
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