

Hellmut G Augustin

List of Publications by Year in descending order

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Version: 2024-02-01

211
papers

21,259
citations

7096

78
h-index

10445

139
g-index

223
all docs

223
docs citations

223
times ranked

25640
citing authors

#	ARTICLE	IF	CITATIONS
1	Control of vascular morphogenesis and homeostasis through the angiotensin-Tie system. <i>Nature Reviews Molecular Cell Biology</i> , 2009, 10, 165-177.	37.0	1,235
2	Angiotensin-2 sensitizes endothelial cells to TNF- α and has a crucial role in the induction of inflammation. <i>Nature Medicine</i> , 2006, 12, 235-239.	30.7	819
3	NASH limits anti-tumour surveillance in immunotherapy-treated HCC. <i>Nature</i> , 2021, 592, 450-456.	27.8	649
4	The Tie-2 ligand Angiotensin-2 is stored in and rapidly released upon stimulation from endothelial cell Weibel-Palade bodies. <i>Blood</i> , 2004, 103, 4150-4156.	1.4	623
5	Angiotensins: a link between angiogenesis and inflammation. <i>Trends in Immunology</i> , 2006, 27, 552-558.	6.8	526
6	Integration of Endothelial Cells in Multicellular Spheroids Prevents Apoptosis and Induces Differentiation. <i>Journal of Cell Biology</i> , 1998, 143, 1341-1352.	5.2	517
7	Organotypic vasculature: From descriptive heterogeneity to functional pathophysiology. <i>Science</i> , 2017, 357, .	12.6	497
8	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	7.2	429
9	A novel vascular endothelial growth factor encoded by Orf virus, VEGF-E, mediates angiogenesis via signalling through VEGFR-2 (KDR) but not VEGFR-1 (Flt-1) receptor tyrosine kinases. <i>EMBO Journal</i> , 1999, 18, 363-374.	7.8	416
10	Angiotensin-2 differentially regulates angiogenesis through TIE2 and integrin signaling. <i>Journal of Clinical Investigation</i> , 2012, 122, 1991-2005.	8.2	376
11	Deficiency in catechol-O-methyltransferase and 2-methoxyoestradiol is associated with pre-eclampsia. <i>Nature</i> , 2008, 453, 1117-1121.	27.8	348
12	The role of the Angiotensins in vascular morphogenesis. <i>Angiogenesis</i> , 2009, 12, 125-137.	7.2	347
13	The Tie-2 ligand Angiotensin-2 destabilizes quiescent endothelium through an internal autocrine loop mechanism. <i>Journal of Cell Science</i> , 2005, 118, 771-780.	2.0	338
14	Blood vessel maturation in a 3-dimensional spheroidal coculture model: direct contact with smooth muscle cells regulates endothelial cell quiescence and abrogates VEGF responsiveness. <i>FASEB Journal</i> , 2001, 15, 447-457.	0.5	337
15	FOXC2 controls formation and maturation of lymphatic collecting vessels through cooperation with NFATc1. <i>Journal of Cell Biology</i> , 2009, 185, 439-457.	5.2	295
16	Induction of inflammatory angiogenesis by monocyte chemoattractant protein-1. <i>International Journal of Cancer</i> , 1999, 82, 765-770.	5.1	280
17	Normalization of Tumor Vessels by Tie2 Activation and Ang2 Inhibition Enhances Drug Delivery and Produces a Favorable Tumor Microenvironment. <i>Cancer Cell</i> , 2016, 30, 953-967.	16.8	259
18	Platelet GPIb α is a mediator and potential interventional target for NASH and subsequent liver cancer. <i>Nature Medicine</i> , 2019, 25, 641-655.	30.7	259

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19	Endothelial Cell-Derived Angiopoietin-2 Controls Liver Regeneration as a Spatiotemporal Rheostat. <i>Science</i> , 2014, 343, 416-419.	12.6	250
20	Differentiation of endothelial cells: Analysis of the constitutive and activated endothelial cell phenotypes. <i>BioEssays</i> , 1994, 16, 901-906.	2.5	236
21	Mechanisms of Vessel Pruning and Regression. <i>Developmental Cell</i> , 2015, 34, 5-17.	7.0	229
22	Pericyte-expressed Tie2 controls angiogenesis and vessel maturation. <i>Nature Communications</i> , 2017, 8, 16106.	12.8	223
23	Preclinical mouse solid tumour models: status quo, challenges and perspectives. <i>Nature Reviews Cancer</i> , 2017, 17, 751-765.	28.4	222
24	Plastic roles of pericytes in the blood-retinal barrier. <i>Nature Communications</i> , 2017, 8, 15296.	12.8	210
25	Multiple angiopoietin recombinant proteins activate the Tie1 receptor tyrosine kinase and promote its interaction with Tie2. <i>Journal of Cell Biology</i> , 2005, 169, 239-243.	5.2	193
26	Spheroid-based engineering of a human vasculature in mice. <i>Nature Methods</i> , 2008, 5, 439-445.	19.0	190
27	Acetyl-CoA Carboxylase 1-Dependent Protein Acetylation Controls Breast Cancer Metastasis and Recurrence. <i>Cell Metabolism</i> , 2017, 26, 842-855.e5.	16.2	180
28	Ang-2-VEGF-A CrossMab, a Novel Bispecific Human IgG1 Antibody Blocking VEGF-A and Ang-2 Functions Simultaneously, Mediates Potent Antitumor, Antiangiogenic, and Antimetastatic Efficacy. <i>Clinical Cancer Research</i> , 2013, 19, 6730-6740.	7.0	179
29	Organ-preference of metastasis. <i>Cancer and Metastasis Reviews</i> , 1990, 9, 175-189.	5.9	177
30	Angiopoietin-2: An Attractive Target for Improved Antiangiogenic Tumor Therapy. <i>Cancer Research</i> , 2013, 73, 1649-1657.	0.9	177
31	Angiopoietin-2 Levels Are Associated with Disease Progression in Metastatic Malignant Melanoma. <i>Clinical Cancer Research</i> , 2009, 15, 1384-1392.	7.0	174
32	Cerebral cavernous malformation protein CCM1 inhibits sprouting angiogenesis by activating DELTA-NOTCH signaling. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 12640-12645.	7.1	172
33	Resistance to antiangiogenic therapy is directed by vascular phenotype, vessel stabilization, and maturation in malignant melanoma. <i>Journal of Experimental Medicine</i> , 2010, 207, 491-503.	8.5	170
34	Class IIb HDAC6 regulates endothelial cell migration and angiogenesis by deacetylation of cortactin. <i>EMBO Journal</i> , 2011, 30, 4142-4156.	7.8	169
35	Forward EphB4 signaling in endothelial cells controls cellular repulsion and segregation from ephrinB2 positive cells. <i>Journal of Cell Science</i> , 2003, 116, 2461-2470.	2.0	163
36	Host-Derived Angiopoietin-2 Affects Early Stages of Tumor Development and Vessel Maturation but Is Dispensable for Later Stages of Tumor Growth. <i>Cancer Research</i> , 2009, 69, 1324-1333.	0.9	163

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37	Endothelial Cells Differentially Express Functional CXC-Chemokine Receptor-4 (CXCR-4/Fusin) under the Control of Autocrine Activity and Exogenous Cytokines. <i>Biochemical and Biophysical Research Communications</i> , 1998, 247, 38-45.	2.1	161
38	Angiopoietin 2 mediates microvascular and hemodynamic alterations in sepsis. <i>Journal of Clinical Investigation</i> , 2013, 123, 3436-3445.	8.2	160
39	Identification of serum angiopoietin-2 as a biomarker for clinical outcome of colorectal cancer patients treated with bevacizumab-containing therapy. <i>British Journal of Cancer</i> , 2010, 103, 1407-1414.	6.4	155
40	Endothelial cell spheroids as a versatile tool to study angiogenesis <i>in vitro</i> . <i>FASEB Journal</i> , 2015, 29, 3076-3084.	0.5	154
41	Circulating endothelial cell adhesion molecules as diagnostic markers for the early identification of pregnant women at risk for development of preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 1997, 177, 443-449.	1.3	152
42	Amelioration of sepsis by TIE2 activation-induced vascular protection. <i>Science Translational Medicine</i> , 2016, 8, 335ra55.	12.4	151
43	Eph receptor and ephrin ligand-mediated interactions during angiogenesis and tumor progression. <i>Experimental Cell Research</i> , 2006, 312, 642-650.	2.6	149
44	Angiopoietin-1 and Angiopoietin-2 Share the Same Binding Domains in the Tie-2 Receptor Involving the First Ig-like Loop and the Epidermal Growth Factor-like Repeats. <i>Journal of Biological Chemistry</i> , 2003, 278, 1721-1727.	3.4	146
45	Endosialin (Tem1) Is a Marker of Tumor-Associated Myofibroblasts and Tumor Vessel-Associated Mural Cells. <i>American Journal of Pathology</i> , 2008, 172, 486-494.	3.8	143
46	A CD44v6 peptide reveals a role of CD44 in VEGFR-2 signaling and angiogenesis. <i>Blood</i> , 2009, 114, 5236-5244.	1.4	140
47	BMPER Is an Endothelial Cell Regulator and Controls Bone Morphogenetic Protein-4-Dependent Angiogenesis. <i>Circulation Research</i> , 2008, 103, 804-812.	4.5	136
48	The Wnt signaling regulator R-spondin 3 promotes angioblast and vascular development. <i>Development (Cambridge)</i> , 2008, 135, 3655-3664.	2.5	135
49	Endothelial RSPO3 Controls Vascular Stability and Pruning through Non-canonical WNT/Ca ²⁺ /NFAT Signaling. <i>Developmental Cell</i> , 2016, 36, 79-93.	7.0	133
50	Angiopoietin-2 Is Critical for Cytokine-Induced Vascular Leakage. <i>PLoS ONE</i> , 2013, 8, e70459.	2.5	131
51	The Orphan Receptor Tie1 Controls Angiogenesis and Vascular Remodeling by Differentially Regulating Tie2 in Tip and Stalk Cells. <i>Cell Reports</i> , 2015, 12, 1761-1773.	6.4	131
52	Transcriptional profiling of human glioblastoma vessels indicates a key role of VEGFA and TGF β 2 in vascular abnormalization. <i>Journal of Pathology</i> , 2012, 228, 378-390.	4.5	128
53	Spheroid-based human endothelial cell microvessel formation <i>in vivo</i> . <i>Nature Protocols</i> , 2009, 4, 1202-1215.	12.0	125
54	Antiangiogenic tumour therapy: will it work?. <i>Trends in Pharmacological Sciences</i> , 1998, 19, 216-222.	8.7	122

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55	Neuropilin-1-VEGFR-2 Complexing Requires the PDZ-binding Domain of Neuropilin-1. <i>Journal of Biological Chemistry</i> , 2008, 283, 25110-25114.	3.4	117
56	Prospective Analysis of Placenta Growth Factor (PlGF) Concentrations in the Plasma of Women with Normal Pregnancy and Pregnancies Complicated by Preeclampsia. <i>Hypertension in Pregnancy</i> , 2004, 23, 101-111.	1.1	116
57	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. <i>Genes and Development</i> , 2014, 28, 1592-1603.	5.9	115
58	Postsurgical Adjuvant Tumor Therapy by Combining Anti-Angiopoietin-2 and Metronomic Chemotherapy Limits Metastatic Growth. <i>Cancer Cell</i> , 2014, 26, 880-895.	16.8	114
59	State-of-the-Art Methods for Evaluation of Angiogenesis and Tissue Vascularization. <i>Circulation Research</i> , 2015, 116, e99-132.	4.5	113
60	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. <i>Development (Cambridge)</i> , 2014, 141, 1757-1766.	2.5	111
61	Semaphorin3C signals through Neuropilin1 and PlexinD1 receptors to inhibit pathological angiogenesis. <i>EMBO Molecular Medicine</i> , 2015, 7, 1267-1284.	6.9	107
62	BMP-9 interferes with liver regeneration and promotes liver fibrosis. <i>Gut</i> , 2017, 66, 939-954.	12.1	107
63	Inhibition of Tumor Growth and Angiogenesis by Soluble EphB4. <i>Neoplasia</i> , 2004, 6, 248-257.	5.3	104
64	Fulvene-5 potently inhibits NADPH oxidase 4 and blocks the growth of endothelial tumors in mice. <i>Journal of Clinical Investigation</i> , 2009, 119, 2359-65.	8.2	103
65	Inhibition of Endothelial Notch Signaling Impairs Fatty Acid Transport and Leads to Metabolic and Vascular Remodeling of the Adult Heart. <i>Circulation</i> , 2018, 137, 2592-2608.	1.6	103
66	GATA4-dependent organ-specific endothelial differentiation controls liver development and embryonic hematopoiesis. <i>Journal of Clinical Investigation</i> , 2017, 127, 1099-1114.	8.2	102
67	Expression of Angiopoietin-2 in Endothelial Cells Is Controlled by Positive and Negative Regulatory Promoter Elements. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2004, 24, 1803-1809.	2.4	100
68	Bi-directional cell contact-dependent regulation of gene expression between endothelial cells and osteoblasts in a three-dimensional spheroidal coculture model. <i>Biochemical and Biophysical Research Communications</i> , 2004, 322, 684-692.	2.1	100
69	Microvascular Mural Cell Organotypic Heterogeneity and Functional Plasticity. <i>Trends in Cell Biology</i> , 2018, 28, 302-316.	7.9	100
70	Histone Deacetylase 9 Promotes Angiogenesis by Targeting the Antiangiogenic MicroRNA-17-92 Cluster in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 533-543.	2.4	98
71	Impaired angiopoietin/Tie2 signaling compromises Schlemm's canal integrity and induces glaucoma. <i>Journal of Clinical Investigation</i> , 2017, 127, 3877-3896.	8.2	98
72	A Functional Role for VEGFR1 Expressed in Peripheral Sensory Neurons in Cancer Pain. <i>Cancer Cell</i> , 2015, 27, 780-796.	16.8	97

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73	Flow-dependent regulation of angiopoietin-2. <i>Journal of Cellular Physiology</i> , 2008, 214, 491-503.	4.1	92
74	Lung endothelial dipeptidyl peptidase IV is an adhesion molecule for lung-metastatic rat breast and prostate carcinoma cells. <i>Journal of Cell Biology</i> , 1993, 121, 1423-1432.	5.2	90
75	Wnt2 acts as a cell type-specific, autocrine growth factor in rat hepatic sinusoidal endothelial cells cross-stimulating the VEGF pathway. <i>Hepatology</i> , 2008, 47, 1018-1031.	7.3	89
76	The extracellular adherence protein (Eap) of <i>Staphylococcus aureus</i> inhibits wound healing by interfering with host defense and repair mechanisms. <i>Blood</i> , 2006, 107, 2720-2727.	1.4	87
77	Angiopoietin-2 Stimulation of Endothelial Cells Induces $\alpha_v\beta_3$ Integrin Internalization and Degradation. <i>Journal of Biological Chemistry</i> , 2010, 285, 23842-23849.	3.4	87
78	MicroRNA-10 Regulates the Angiogenic Behavior of Zebrafish and Human Endothelial Cells by Promoting Vascular Endothelial Growth Factor Signaling. <i>Circulation Research</i> , 2012, 111, 1421-1433.	4.5	84
79	The Sialomucin CD34 Is a Marker of Lymphatic Endothelial Cells in Human Tumors. <i>American Journal of Pathology</i> , 2006, 168, 1045-1053.	3.8	81
80	Three-dimensional spheroidal culture of cytotrophoblast cells mimics the phenotype and differentiation of cytotrophoblasts from normal and preeclamptic pregnancies. <i>Experimental Cell Research</i> , 2004, 297, 415-423.	2.6	80
81	Dissociation of Angiogenesis and Tumorigenesis in Follistatin- and Activin-Expressing Tumors. <i>Cancer Research</i> , 2006, 66, 5686-5695.	0.9	79
82	Tubes, Branches, and Pillars. <i>Circulation Research</i> , 2001, 89, 645-647.	4.5	77
83	Early Epigenetic Downregulation of microRNA-192 Expression Promotes Pancreatic Cancer Progression. <i>Cancer Research</i> , 2016, 76, 4149-4159.	0.9	77
84	Inhibition of Rho-dependent kinases ROCK I/II activates VEGF-driven retinal neovascularization and sprouting angiogenesis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2009, 296, H893-H899.	3.2	75
85	Angiocrine Wnt signaling controls liver growth and metabolic maturation in mice. <i>Hepatology</i> , 2018, 68, 707-722.	7.3	73
86	Endothelial Tie2-mediated angiogenesis and vascular abnormalization promote tumor progression and metastasis. <i>Journal of Clinical Investigation</i> , 2018, 128, 834-845.	8.2	72
87	Intrinsic versus microenvironmental regulation of lymphatic endothelial cell phenotype and function. <i>FASEB Journal</i> , 2003, 17, 2006-2013.	0.5	71
88	Semaphorin SEMA3F Affects Multiple Signaling Pathways in Lung Cancer Cells. <i>Cancer Research</i> , 2007, 67, 8708-8715.	0.9	71
89	Role of ephrinB2 expression in endothelial cells during arteriogenesis: impact on smooth muscle cell migration and monocyte recruitment. <i>Blood</i> , 2008, 112, 73-81.	1.4	69
90	Gene targeting of VEGF-A in thymus epithelium disrupts thymus blood vessel architecture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10587-10592.	7.1	68

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91	Visceral obesity and insulin resistance associate with CD36 deletion in lymphatic endothelial cells. <i>Nature Communications</i> , 2021, 12, 3350.	12.8	66
92	EphB receptors and ephrinB ligands: regulators of vascular assembly and homeostasis. <i>Cell and Tissue Research</i> , 2003, 314, 25-31.	2.9	64
93	Neuropilin-1 and neuropilin-2 enhance VEGF 121 stimulated signal transduction by the VEGFR-2 receptor. <i>FASEB Journal</i> , 2007, 21, 915-926.	0.5	64
94	Emerging roles of the Angiopoietin-Tie and the ephrin-Eph systems as regulators of cell trafficking. <i>Journal of Leukocyte Biology</i> , 2006, 80, 719-726.	3.3	63
95	Integrin Cytoplasmic Domain-Associated Protein-1 Attenuates Sprouting Angiogenesis. <i>Circulation Research</i> , 2010, 107, 592-601.	4.5	63
96	Involvement of endothelial ephrin-B2 in adhesion and transmigration of EphB-receptor-expressing monocytes. <i>Journal of Cell Science</i> , 2008, 121, 3842-3850.	2.0	62
97	Differential Endothelial Transcriptomics Identifies Semaphorin 3G as a Vascular Class 3 Semaphorin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 151-159.	2.4	60
98	Senescence of aortic endothelial cells in culture: Effects of basic fibroblast growth factor expression on cell phenotype, migration, and proliferation. <i>Journal of Cellular Physiology</i> , 1993, 157, 279-288.	4.1	58
99	Hepatic stellate cell-expressed endosialin balances fibrogenesis and hepatocyte proliferation during liver damage. <i>EMBO Molecular Medicine</i> , 2015, 7, 332-338.	6.9	58
100	A spatial vascular transcriptomic, proteomic, and phosphoproteomic atlas unveils an angiocrine Tie-Wnt signaling axis in the liver. <i>Developmental Cell</i> , 2021, 56, 1677-1693.e10.	7.0	58
101	Unique Cell Type-Specific Junctional Complexes in Vascular Endothelium of Human and Rat Liver Sinusoids. <i>PLoS ONE</i> , 2012, 7, e34206.	2.5	54
102	Endothelial EphrinB2 Is Controlled by Microenvironmental Determinants and Associates Context-Dependently With CD31. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 468-474.	2.4	53
103	Tumor stroma marker endosialin (Tem1) is a binding partner of metastasis-related protein Mac-2 BP/90K. <i>FASEB Journal</i> , 2008, 22, 3059-3067.	0.5	53
104	VEGF165-induced vascular permeability requires NRP1 for ABL-mediated SRC family kinase activation. <i>Journal of Experimental Medicine</i> , 2017, 214, 1049-1064.	8.5	53
105	Basic Fibroblast Growth Factor (bFGF) Regulates the Expression of the CC Chemokine Monocyte Chemoattractant Protein-1 (MCP-1) in Autocrine-Activated Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 2471-2478.	2.4	52
106	The BTB-kelch Protein LZTR-1 Is a Novel Golgi Protein That Is Degraded upon Induction of Apoptosis. <i>Journal of Biological Chemistry</i> , 2006, 281, 5065-5071.	3.4	52
107	Endosialin-Expressing Pericytes Promote Metastatic Dissemination. <i>Cancer Research</i> , 2016, 76, 5313-5325.	0.9	51
108	Neuropilin-1 mediates vascular permeability independently of vascular endothelial growth factor receptor-2 activation. <i>Science Signaling</i> , 2016, 9, ra42.	3.6	51

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109	MicroRNA-30 mediates anti-inflammatory effects of shear stress and KLF2 via repression of angiotensin 2. <i>Journal of Molecular and Cellular Cardiology</i> , 2015, 88, 111-119.	1.9	50
110	STAT3-YAP/TAZ signaling in endothelial cells promotes tumor angiogenesis. <i>Science Signaling</i> , 2021, 14, eabj8393.	3.6	50
111	Endothelial transdifferentiation in hepatocellular carcinoma: loss of Stabilin-2 expression in peritumorous liver correlates with increased survival. <i>Liver International</i> , 2013, 33, 1428-1440.	3.9	49
112	Predictive Value of Routine Circulating Soluble Endothelial Cell Adhesion Molecule Measurements during Pregnancy. <i>Clinical Chemistry</i> , 2002, 48, 1418-1425.	3.2	48
113	Angiodiversity and organotypic functions of sinusoidal endothelial cells. <i>Angiogenesis</i> , 2021, 24, 289-310.	7.2	48
114	Extracellular RNA Liberates Tumor Necrosis Factor- α to Promote Tumor Cell Trafficking and Progression. <i>Cancer Research</i> , 2013, 73, 5080-5089.	0.9	47
115	Inhibition of tumor growth and angiogenesis by soluble EphB4. <i>Neoplasia</i> , 2004, 6, 248-57.	5.3	47
116	Migrating endothelial cells are distinctly hyperglycosylated and express specific migration-associated cell surface glycoproteins. <i>Journal of Cell Biology</i> , 1992, 119, 483-491.	5.2	46
117	Vascular morphogenesis in the ovary. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2000, 14, 867-882.	2.8	46
118	Synaptojanin-2 Binding Protein Stabilizes the Notch Ligands DLL1 and DLL4 and Inhibits Sprouting Angiogenesis. <i>Circulation Research</i> , 2013, 113, 1206-1218.	4.5	45
119	Modulation of endothelial cell surface glycoconjugate expression by organ-derived biomatrices. <i>Experimental Cell Research</i> , 1991, 192, 346-351.	2.6	44
120	Endosialin Promotes Atherosclerosis Through Phenotypic Remodeling of Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 495-505.	2.4	43
121	The transcriptomic and epigenetic map of vascular quiescence in the continuous lung endothelium. <i>ELife</i> , 2018, 7, .	6.0	43
122	Combination of Reverse and Chemical Genetic Screens Reveals Angiogenesis Inhibitors and Targets. <i>Chemistry and Biology</i> , 2009, 16, 432-441.	6.0	42
123	Activated protein C resistance and Factor V Leiden in patients with hemolysis, elevated liver enzymes, low platelets syndrome. <i>Obstetrics and Gynecology</i> , 1998, 92, 457-460.	2.4	41
124	Junb regulates arterial contraction capacity, cellular contractility, and motility via its target Myl9 in mice. <i>Journal of Clinical Investigation</i> , 2010, 120, 2307-2318.	8.2	41
125	EphB4 Promotes Site-Specific Metastatic Tumor Cell Dissemination by Interacting with Endothelial Cell-Expressed EphrinB2. <i>Molecular Cancer Research</i> , 2010, 8, 1297-1309.	3.4	40
126	Tie2 activation promotes choriocapillary regeneration for alleviating neovascular age-related macular degeneration. <i>Science Advances</i> , 2019, 5, eaau6732.	10.3	39

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127	The Transcription Factor HOXC9 Regulates Endothelial Cell Quiescence and Vascular Morphogenesis in Zebrafish via Inhibition of Interleukin 8. <i>Circulation Research</i> , 2011, 108, 1367-1377.	4.5	38
128	Distinct activities of <i>Bartonella henselae</i> type IV secretion effector proteins modulate capillary-like sprout formation. <i>Cellular Microbiology</i> , 2009, 11, 1088-1101.	2.1	36
129	Temporal multi-omics identifies LRG1 as a vascular niche instructor of metastasis. <i>Science Translational Medicine</i> , 2021, 13, eabe6805.	12.4	36
130	Hepatic stellate cells limit hepatocellular carcinoma progression through the orphan receptor endosialin. <i>EMBO Molecular Medicine</i> , 2017, 9, 741-749.	6.9	34
131	VEGFR1+ Metastasis-Associated Macrophages Contribute to Metastatic Angiogenesis and Influence Colorectal Cancer Patient Outcome. <i>Clinical Cancer Research</i> , 2019, 25, 5674-5685.	7.0	34
132	Phenotypic Characterization of Normal and Neoplastic Canine Endothelial Cells by Lectin Histochemistry. <i>Veterinary Pathology</i> , 1990, 27, 103-109.	1.7	33
133	Therapeutic interference with EphrinB2 signalling inhibits oxygen-induced angioproliferative retinopathy. <i>Acta Ophthalmologica</i> , 2011, 89, 82-90.	1.1	33
134	Comparison of Growth and Differentiation of Normal and Neoplastic Canine Keratinocyte Cultures. <i>Veterinary Pathology</i> , 1991, 28, 131-138.	1.7	32
135	Understanding angiodiversity: insights from single cell biology. <i>Development (Cambridge)</i> , 2020, 147, .	2.5	32
136	Recruitment of human cord blood-derived endothelial colony-forming cells to sites of tumor angiogenesis. <i>Cytotherapy</i> , 2013, 15, 726-739.	0.7	31
137	Endothelial transcription factor KLF2 negatively regulates liver regeneration via induction of activin A. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3993-3998.	7.1	31
138	Dietary protein dilution limits dyslipidemia in obesity through FGF21-driven fatty acid clearance. <i>Journal of Nutritional Biochemistry</i> , 2018, 57, 189-196.	4.2	31
139	The VEGF-regulated transcription factor HLX controls the expression of guidance cues and negatively regulates sprouting of endothelial cells. <i>Blood</i> , 2011, 117, 2735-2744.	1.4	30
140	The BTB-Kelch Protein KLEIP Controls Endothelial Migration and Sprouting Angiogenesis. <i>Circulation Research</i> , 2007, 100, 1155-1163.	4.5	29
141	Mouse Models of Human Cancer. <i>Cancer Research</i> , 2014, 74, 4671-4675.	0.9	29
142	Lymphangiogenesis requires Ang2/Tie/PI3K signaling for VEGFR3 cell-surface expression. <i>Journal of Clinical Investigation</i> , 2022, 132, .	8.2	29
143	Down-Regulation of Endothelial EphrinB2 Expression by Laminar Shear Stress. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004, 11, 259-265.	1.7	28
144	Delta-Like Ligand 4 Modulates Liver Damage by Down-Regulating Chemokine Expression. <i>American Journal of Pathology</i> , 2016, 186, 1874-1889.	3.8	28

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145	Quantitative analysis of autocrine-regulated, matrix-induced, and tumor cell-stimulated endothelial cell migration using a silicon template compartmentalization technique. <i>Experimental Cell Research</i> , 1992, 198, 221-227.	2.6	27
146	Endothelial cell fitness dictates the source of regenerating liver vasculature. <i>Journal of Experimental Medicine</i> , 2018, 215, 2497-2508.	8.5	27
147	Loss of ASAP1 in mice impairs adipogenic and osteogenic differentiation of mesenchymal progenitor cells through dysregulation of FAK/Src and AKT signaling. <i>PLoS Genetics</i> , 2019, 15, e1008216.	3.5	27
148	Tumor Cell-Derived Angiopoietin-2 Promotes Metastasis in Melanoma. <i>Cancer Research</i> , 2020, 80, 2586-2598.	0.9	27
149	Myocardial Angiopoietin-1 Controls Atrial Chamber Morphogenesis by Spatiotemporal Degradation of Cardiac Jelly. <i>Cell Reports</i> , 2018, 23, 2455-2466.	6.4	26
150	Beyond Angiogenesis: Exploiting Angiocrine Factors to Restrict Tumor Progression and Metastasis. <i>Cancer Research</i> , 2020, 80, 659-662.	0.9	26
151	Inhibitory effect of a matrix metalloproteinase inhibitor on growth and spread of human pancreatic ductal adenocarcinoma evaluated in an orthotopic severe combined immunodeficient (SCID) mouse model. <i>Cancer Letters</i> , 2001, 165, 161-170.	7.2	25
152	Age-Related Gliosis Promotes Central Nervous System Lymphoma through CCL19-Mediated Tumor Cell Retention. <i>Cancer Cell</i> , 2019, 36, 250-267.e9.	16.8	25
153	Cytokine-Like 1 Is a Novel Proangiogenic Factor Secreted by and Mediating Functions of Endothelial Progenitor Cells. <i>Circulation Research</i> , 2019, 124, 243-255.	4.5	25
154	G-CSF rescues tumor growth and neoangiogenesis during liver metastasis under host angiopoietin-2 deficiency. <i>International Journal of Cancer</i> , 2013, 132, 315-326.	5.1	24
155	Fetal plasma levels of circulating endothelial cell adhesion molecules in normal and preeclamptic pregnancies. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 1998, 78, 41-45.	1.1	23
156	An Inducible Hepatocellular Carcinoma Model for Preclinical Evaluation of Antiangiogenic Therapy in Adult Mice. <i>Cancer Research</i> , 2014, 74, 4157-4169.	0.9	23
157	Angiopoietin-2 mediates thrombin-induced monocyte adhesion and endothelial permeability. <i>Journal of Thrombosis and Haemostasis</i> , 2016, 14, 1655-1667.	3.8	23
158	Models in Translational Oncology: A Public Resource Database for Preclinical Cancer Research. <i>Cancer Research</i> , 2017, 77, 2557-2563.	0.9	23
159	Oligodendrocyte precursor cell specification is regulated by bidirectional neural progenitor-endothelial cell crosstalk. <i>Nature Neuroscience</i> , 2021, 24, 478-488.	14.8	23
160	No Evidence for a Functional Role of Bi-Directional Notch Signaling during Angiogenesis. <i>PLoS ONE</i> , 2012, 7, e53074.	2.5	23
161	Potent inhibition of angiogenesis by D,L-peptides derived from vascular endothelial growth factor receptor 2. <i>Thrombosis and Haemostasis</i> , 2003, 90, 501-510.	3.4	21
162	Angiopoietin-1 mediates inhibition of hypertension-induced release of angiopoietin-2 from endothelial cells. <i>Cardiovascular Research</i> , 2012, 94, 510-518.	3.8	21

#	ARTICLE	IF	CITATIONS
163	Soluble Notch ligand and receptor peptides act antagonistically during angiogenesis. <i>Cardiovascular Research</i> , 2015, 107, 153-163.	3.8	21
164	Predictive value of routine circulating soluble endothelial cell adhesion molecule measurements during pregnancy. <i>Clinical Chemistry</i> , 2002, 48, 1418-25.	3.2	21
165	Blocking Migration of Polymorphonuclear Myeloid-Derived Suppressor Cells Inhibits Mouse Melanoma Progression. <i>Cancers</i> , 2021, 13, 726.	3.7	20
166	LRG1 destabilizes tumor vessels and restricts immunotherapeutic potency. <i>Med</i> , 2021, 2, 1231-1252.e10.	4.4	19
167	Antiangiogenesis: Vessel Regression, Vessel Normalization, or Both?. <i>Cancer Research</i> , 2022, 82, 15-17.	0.9	19
168	Differentiation-dependent expression of lectin binding sites on normal and neoplastic keratinocytes in vivo and in vitro.. <i>Journal of Histochemistry and Cytochemistry</i> , 1991, 39, 1103-1112.	2.5	18
169	A Novel SEMA3G Mutation in Two Siblings Affected by Syndromic GnRH Deficiency. <i>Neuroendocrinology</i> , 2021, 111, 421-441.	2.5	18
170	Timed Ang2-Targeted Therapy Identifies the Angiopoietinâ€Tie Pathway as Key Regulator of Fatal Lymphogenous Metastasis. <i>Cancer Discovery</i> , 2021, 11, 424-445.	9.4	18
171	Dietary calories and lipids synergistically shape adipose tissue cellularity during postnatal growth. <i>Molecular Metabolism</i> , 2019, 24, 139-148.	6.5	16
172	Emerging paradigms in metastasis research. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	16
173	Caspase-8 modulates physiological and pathological angiogenesis during retina development. <i>Journal of Clinical Investigation</i> , 2019, 129, 5092-5107.	8.2	16
174	T-lymphocyte profiles differ between keratoacanthomas and invasive squamous cell carcinomas of the human skin. <i>Cancer Immunology, Immunotherapy</i> , 2018, 67, 1147-1157.	4.2	15
175	BMP-9 Modulates the Hepatic Responses to LPS. <i>Cells</i> , 2020, 9, 617.	4.1	15
176	Ephrin-B2 expression critically influences Nipah virus infection independent of its cytoplasmic tail. <i>Virology Journal</i> , 2008, 5, 163.	3.4	14
177	Activated Protein C Resistance and Factor V Leiden in Patients With Hemolysis, Elevated Liver Enzymes, Low Platelets Syndrome. <i>Obstetrics and Gynecology</i> , 1998, 92, 457-460.	2.4	13
178	Tension in the vasculature. <i>Nature Medicine</i> , 2009, 15, 608-610.	30.7	13
179	Preclinical validation of a novel metastasisâ€inhibiting Tie1 functionâ€blocking antibody. <i>EMBO Molecular Medicine</i> , 2020, 12, e11164.	6.9	13
180	Tie2 Receptor in Tumor-Infiltrating Macrophages Is Dispensable for Tumor Angiogenesis and Tumor Relapse after Chemotherapy. <i>Cancer Research</i> , 2022, 82, 1353-1364.	0.9	13

#	ARTICLE	IF	CITATIONS
181	Blood vessels kept quiet. <i>Nature</i> , 2009, 458, 41-42.	27.8	11
182	Isolation of bovine type II pneumocytes in high yield and purity. <i>Lung</i> , 1989, 167, 1-10.	3.3	9
183	Angiogenesis in the female reproductive system. , 2005, , 35-52.		9
184	Rhodocetin-induced Neuropilin-1 α Met Association Triggers Restructuring of Matrix Contacts in Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 544-554.	2.4	9
185	Caspase-8 in endothelial cells maintains gut homeostasis and prevents small bowel inflammation in mice. <i>EMBO Molecular Medicine</i> , 2022, , e14121.	6.9	9
186	Born to Die. <i>Circulation</i> , 2012, 125, 3063-3065.	1.6	8
187	Aggressive primary cutaneous B-cell lymphomas show increased Angiopoietin-2-induced angiogenesis. <i>Experimental Dermatology</i> , 2015, 24, 424-429.	2.9	8
188	Vascular rejuvenation is geroprotective. <i>Science</i> , 2021, 373, 490-491.	12.6	8
189	Commentary on Folkman: "How Is Blood Vessel Growth Regulated in Normal and Neoplastic Tissue?" <i>Cancer Research</i> , 2016, 76, 2854-2856.	0.9	6
190	The angiopoietin-Tie2 pathway regulates Purkinje cell dendritic morphogenesis in a cell-autonomous manner. <i>Cell Reports</i> , 2021, 36, 109522.	6.4	6
191	Double Attack on Tumors by Targeting With Guidance Molecules. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 721-722.	2.4	3
192	Modulation of <i>In Vitro</i> Angiogenesis in a Three-Dimensional Spheroidal Coculture Model for Bone Tissue Engineering. <i>Tissue Engineering</i> , 2004, 10, 1536-1547.	4.6	3
193	Viewpoints: Dual-blocking antibody against VEGF-A and angiopoietin-2 for treating vascular diseases of the eye. <i>Trends in Molecular Medicine</i> , 2022, 28, 347-349.	6.7	3
194	Alternatively Spliced Form of Angiopoietin-2 as a New Vascular Rheostat. <i>Cancer Research</i> , 2021, 81, 35-37.	0.9	3
195	Vascular Morphogenesis in the Ovary: Introduction and Overview. , 2001, , 109-130.		2
196	Biochemical and metabolic properties of bovine type II pneumocytes in primary culture. <i>Lung</i> , 1989, 167, 343-350.	3.3	1
197	Wanted: cancer boss. <i>Nature</i> , 2006, 440, 978-979.	27.8	1
198	Judah Folkman. <i>Thrombosis and Haemostasis</i> , 2008, 99, 250.	3.4	1

#	ARTICLE	IF	CITATIONS
199	Judah Folkman. Thrombosis and Haemostasis, 2008, 99, 250.	3.4	1
200	Angiopoietins meet lymphatics. Blood, 2005, 105, 4541-4542.	1.4	0
201	Tumor Vessel Associated-Pericytes. , 2011, , 91-110.		0
202	Regulation of angiogenesis and vascular homeostasis through the Angiopoietin/Tie system. Vascular Pharmacology, 2012, 56, 307-308.	2.1	0
203	The role of the angiopoietin/Tie system in regulating hematopoietic stem cell maintenance and recruitment. Experimental Hematology, 2013, 41, S64.	0.4	0
204	A Synopsis of the "Influence of Epigenetics, Genetics, and Immunology" Session Part A at the 35th Annual Society of Toxicologic Pathology Symposium. Toxicologic Pathology, 2017, 45, 114-118.	1.8	0
205	Endothelial Cell Chemotaxis and Chemokinesis Assays. , 2004, , 145-156.		0
206	FOXC2 controls formation and maturation of lymphatic collecting vessels through cooperation with NFATc1. Journal of Experimental Medicine, 2009, 206, i10-i10.	8.5	0
207	Abstract 2847: Host angiopoietin-2 inhibits tumor growth and angiogenesis in the liver. , 2011, , .		0
208	Hypertension-induced endothelial cell angiopoietin-2 release is inhibited by angiopoietin-1. FASEB Journal, 2012, 26, 1058.3.	0.5	0
209	Abstract 4953: Stromal endosialin modulates the proinflammatory tumor microenvironment and is crucial for the growth of orthotopic pancreatic tumors.. , 2013, , .		0
210	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. Journal of Cell Science, 2014, 127, e1-e1.	2.0	0
211	Regulation of Angiogenesis and Vascular Homeostasis Through the Angiopoietin / Tie System. , 2008, , 109-120.		0