

Hellmut G Augustin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

202
papers

16,481
citations

72
h-index

124
g-index

223
ext. papers

19,006
ext. citations

11.2
avg, IF

6.6
L-index

#	Paper	IF	Citations
202	Control of vascular morphogenesis and homeostasis through the angiopoietin-Tie system. <i>Nature Reviews Molecular Cell Biology</i> , 2009 , 10, 165-77	48.7	1051
201	Angiopoietin-2 sensitizes endothelial cells to TNF-alpha and has a crucial role in the induction of inflammation. <i>Nature Medicine</i> , 2006 , 12, 235-9	50.5	697
200	The Tie-2 ligand angiopoietin-2 is stored in and rapidly released upon stimulation from endothelial cell Weibel-Palade bodies. <i>Blood</i> , 2004 , 103, 4150-6	2.2	523
199	Integration of endothelial cells in multicellular spheroids prevents apoptosis and induces differentiation. <i>Journal of Cell Biology</i> , 1998 , 143, 1341-52	7.3	466
198	Angiopoietins: a link between angiogenesis and inflammation. <i>Trends in Immunology</i> , 2006 , 27, 552-8	14.4	461
197	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, 363-74	13	357
196	Deficiency in catechol-O-methyltransferase and 2-methoxyoestradiol is associated with pre-eclampsia. <i>Nature</i> , 2008 , 453, 1117-21	50.4	305
195	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, 447-57	0.9	303
194	The Tie-2 ligand angiopoietin-2 destabilizes quiescent endothelium through an internal autocrine loop mechanism. <i>Journal of Cell Science</i> , 2005 , 118, 771-80	5.3	302
193	Organotypic vasculature: From descriptive heterogeneity to functional pathophysiology. <i>Science</i> , 2017 , 357,	33.3	295
192	Angiopoietin-2 differentially regulates angiogenesis through TIE2 and integrin signaling. <i>Journal of Clinical Investigation</i> , 2012 , 122, 1991-2005	15.9	295
191	The role of the Angiopoietins in vascular morphogenesis. <i>Angiogenesis</i> , 2009 , 12, 125-37	10.6	288
190	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018 , 21, 425-538	53.8	285
189	FOXC2 controls formation and maturation of lymphatic collecting vessels through cooperation with NFATc1. <i>Journal of Cell Biology</i> , 2009 , 185, 439-57	7.3	254
188	Induction of inflammatory angiogenesis by monocyte chemoattractant protein-1. <i>International Journal of Cancer</i> , 1999 , 82, 765-70	7.5	244
187	Differentiation of endothelial cells: analysis of the constitutive and activated endothelial cell phenotypes. <i>BioEssays</i> , 1994 , 16, 901-6	4.1	212
186	Endothelial cell-derived angiopoietin-2 controls liver regeneration as a spatiotemporal rheostat. <i>Science</i> , 2014 , 343, 416-9	33.3	207

185	Spheroid-based engineering of a human vasculature in mice. <i>Nature Methods</i> , 2008 , 5, 439-45	21.6	172
184	Mechanisms of Vessel Pruning and Regression. <i>Developmental Cell</i> , 2015 , 34, 5-17	10.2	171
183	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	24.3	171
182	Multiple angiopoietin recombinant proteins activate the Tie1 receptor tyrosine kinase and promote its interaction with Tie2. <i>Journal of Cell Biology</i> , 2005 , 169, 239-43	7.3	166
181	NASH limits anti-tumour surveillance in immunotherapy-treated HCC. <i>Nature</i> , 2021 , 592, 450-456	50.4	164
180	Organ-preference of metastasis. The role of endothelial cell adhesion molecules. <i>Cancer and Metastasis Reviews</i> , 1990 , 9, 175-89	9.6	158
179	Angiopoietin-2: an attractive target for improved antiangiogenic tumor therapy. <i>Cancer Research</i> , 2013 , 73, 1649-57	10.1	155
178	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	3.4	154
177	Preclinical mouse solid tumour models: status quo, challenges and perspectives. <i>Nature Reviews Cancer</i> , 2017 , 17, 751-765	31.3	151
176	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	16.6	151
175	Angiopoietin-2 levels are associated with disease progression in metastatic malignant melanoma. <i>Clinical Cancer Research</i> , 2009 , 15, 1384-92	12.9	151
174	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, 6730-40	12.9	150
173	Plastic roles of pericytes in the blood-retinal barrier. <i>Nature Communications</i> , 2017 , 8, 15296	17.4	148
172	Forward EphB4 signaling in endothelial cells controls cellular repulsion and segregation from ephrinB2 positive cells. <i>Journal of Cell Science</i> , 2003 , 116, 2461-70	5.3	147
171	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, 12640-5	11.5	144
170	Pericyte-expressed Tie2 controls angiogenesis and vessel maturation. <i>Nature Communications</i> , 2017 , 8, 16106	17.4	140
169	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, 1324-33	10.1	139
168	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, 443-9	6.4	139

167	Class IIb HDAC6 regulates endothelial cell migration and angiogenesis by deacetylation of cortactin. <i>EMBO Journal</i> , 2011 , 30, 4142-56	13	133
166	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, 1407-14	8.7	132
165	Angiopoietin 2 mediates microvascular and hemodynamic alterations in sepsis. <i>Journal of Clinical Investigation</i> , 2013 ,	15.9	130
164	Eph receptor and ephrin ligand-mediated interactions during angiogenesis and tumor progression. <i>Experimental Cell Research</i> , 2006 , 312, 642-50	4.2	128
163	Platelet GPIIb/IIIa is a mediator and potential interventional target for NASH and subsequent liver cancer. <i>Nature Medicine</i> , 2019 , 25, 641-655	50.5	123
162	Endosialin (Tem1) is a marker of tumor-associated myofibroblasts and tumor vessel-associated mural cells. <i>American Journal of Pathology</i> , 2008 , 172, 486-94	5.8	123
161	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, 1721-7	5.4	123
160	BMPER is an endothelial cell regulator and controls bone morphogenetic protein-4-dependent angiogenesis. <i>Circulation Research</i> , 2008 , 103, 804-12	15.7	121
159	Endothelial cell spheroids as a versatile tool to study angiogenesis in vitro. <i>FASEB Journal</i> , 2015 , 29, 3076-84	6.94	118
158	Amelioration of sepsis by TIE2 activation-induced vascular protection. <i>Science Translational Medicine</i> , 2016 , 8, 335ra55	17.5	117
157	A CD44v6 peptide reveals a role of CD44 in VEGFR-2 signaling and angiogenesis. <i>Blood</i> , 2009 , 114, 5236-44	11.8	116
156	Spheroid-based human endothelial cell microvessel formation in vivo. <i>Nature Protocols</i> , 2009 , 4, 1202-15	8.8	111
155	The Wnt signaling regulator R-spondin 3 promotes angioblast and vascular development. <i>Development (Cambridge)</i> , 2008 , 135, 3655-64	6.6	108
154	Neuropilin-1-VEGFR-2 complexing requires the PDZ-binding domain of neuropilin-1. <i>Journal of Biological Chemistry</i> , 2008 , 283, 25110-25114	5.4	105
153	Antiangiogenic tumour therapy: will it work?. <i>Trends in Pharmacological Sciences</i> , 1998 , 19, 216-22	13.2	104
152	Transcriptional profiling of human glioblastoma vessels indicates a key role of VEGF-A and TGF β in vascular abnormalization. <i>Journal of Pathology</i> , 2012 , 228, 378-90	9.4	103
151	Acetyl-CoA Carboxylase 1-Dependent Protein Acetylation Controls Breast Cancer Metastasis and Recurrence. <i>Cell Metabolism</i> , 2017 , 26, 842-855.e5	24.6	102
150	Inhibition of Tumor Growth and Angiogenesis by Soluble EphB4. <i>Neoplasia</i> , 2004 , 6, 248-257	6.4	101

149	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, 101-11	2	100
148	Angiopoietin-2 is critical for cytokine-induced vascular leakage. <i>PLoS ONE</i> , 2013 , 8, e70459	3.7	99
147	The Orphan Receptor Tie1 Controls Angiogenesis and Vascular Remodeling by Differentially Regulating Tie2 in Tip and Stalk Cells. <i>Cell Reports</i> , 2015 , 12, 1761-73	10.6	95
146	Postsurgical adjuvant tumor therapy by combining anti-angiopoietin-2 and metronomic chemotherapy limits metastatic growth. <i>Cancer Cell</i> , 2014 , 26, 880-895	24.3	94
145	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	15.9	92
144	State-of-the-Art Methods for Evaluation of Angiogenesis and Tissue Vascularization: A Scientific Statement From the American Heart Association. <i>Circulation Research</i> , 2015 , 116, e99-132	15.7	90
143	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, 684-92	3.4	89
142	Endothelial cell-derived non-canonical Wnt ligands control vascular pruning in angiogenesis. <i>Development (Cambridge)</i> , 2014 , 141, 1757-66	6.6	88
141	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, 1803-9	9.4	87
140	Endothelial RSPO3 Controls Vascular Stability and Pruning through Non-canonical WNT/Ca(2+)/NFAT Signaling. <i>Developmental Cell</i> , 2016 , 36, 79-93	10.2	86
139	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, 1423-32	7.3	86
138	Angiopoietin-2 stimulation of endothelial cells induces alphavbeta3 integrin internalization and degradation. <i>Journal of Biological Chemistry</i> , 2010 , 285, 23842-9	5.4	81
137	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, 1018-31	11.2	78
136	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, 533-43	9.4	77
135	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, 2720-7	2.2	76
134	Flow-dependent regulation of angiopoietin-2. <i>Journal of Cellular Physiology</i> , 2008 , 214, 491-503	7	75
133	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. <i>Genes and Development</i> , 2014 , 28, 1592-603	12.6	74
132	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, 1421-33	15.7	74

131	Dissociation of angiogenesis and tumorigenesis in follistatin- and activin-expressing tumors. <i>Cancer Research</i> , 2006 , 66, 5686-95	10.1	72
130	Semaphorin-3C signals through Neuropilin-1 and PlexinD1 receptors to inhibit pathological angiogenesis. <i>EMBO Molecular Medicine</i> , 2015 , 7, 1267-84	12	71
129	BMP-9 interferes with liver regeneration and promotes liver fibrosis. <i>Gut</i> , 2017 , 66, 939-954	19.2	69
128	The sialomucin CD34 is a marker of lymphatic endothelial cells in human tumors. <i>American Journal of Pathology</i> , 2006 , 168, 1045-53	5.8	69
127	Tubes, Branches, and Pillars. <i>Circulation Research</i> , 2001 , 89, 645-647	15.7	67
126	Early Epigenetic Downregulation of microRNA-192 Expression Promotes Pancreatic Cancer Progression. <i>Cancer Research</i> , 2016 , 76, 4149-59	10.1	67
125	Intrinsic versus microenvironmental regulation of lymphatic endothelial cell phenotype and function. <i>FASEB Journal</i> , 2003 , 17, 2006-13	0.9	66
124	A Functional Role for VEGFR1 Expressed in Peripheral Sensory Neurons in Cancer Pain. <i>Cancer Cell</i> , 2015 , 27, 780-96	24.3	65
123	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, H893-9	5.2	64
122	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	2.2	64
121	GATA4-dependent organ-specific endothelial differentiation controls liver development and embryonic hematopoiesis. <i>Journal of Clinical Investigation</i> , 2017 , 127, 1099-1114	15.9	64
120	Semaphorin SEMA3F affects multiple signaling pathways in lung cancer cells. <i>Cancer Research</i> , 2007 , 67, 8708-15	10.1	63
119	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, 415-23	4.2	63
118	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	16.7	61
117	Neuropilin-1 and neuropilin-2 enhance VEGF121 stimulated signal transduction by the VEGFR-2 receptor. <i>FASEB Journal</i> , 2007 , 21, 915-26	0.9	61
116	Emerging roles of the Angiopoietin-Tie and the ephrin-Eph systems as regulators of cell trafficking. <i>Journal of Leukocyte Biology</i> , 2006 , 80, 719-26	6.5	59
115	EphB receptors and ephrinB ligands: regulators of vascular assembly and homeostasis. <i>Cell and Tissue Research</i> , 2003 , 314, 25-31	4.2	59
114	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, 10587-92	11.5	56

113	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, 279-88	7	55
112	Integrin cytoplasmic domain-associated protein-1 attenuates sprouting angiogenesis. <i>Circulation Research</i> , 2010 , 107, 592-601	15.7	53
111	Impaired angiopoietin/Tie2 signaling compromises Schlemm's canal integrity and induces glaucoma. <i>Journal of Clinical Investigation</i> , 2017 , 127, 3877-3896	15.9	53
110	Microvascular Mural Cell Organotypic Heterogeneity and Functional Plasticity. <i>Trends in Cell Biology</i> , 2018 , 28, 302-316	18.3	52
109	Hepatic stellate cell-expressed endosialin balances fibrogenesis and hepatocyte proliferation during liver damage. <i>EMBO Molecular Medicine</i> , 2015 , 7, 332-8	12	52
108	Differential endothelial transcriptomics identifies semaphorin 3G as a vascular class 3 semaphorin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 151-9	9.4	51
107	Involvement of endothelial ephrin-B2 in adhesion and transmigration of EphB-receptor-expressing monocytes. <i>Journal of Cell Science</i> , 2008 , 121, 3842-50	5.3	51
106	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, 2471-8	9.4	50
105	Endothelial ephrinB2 is controlled by microenvironmental determinants and associates context-dependently with CD31. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 468-74	9.4	48
104	Unique cell type-specific junctional complexes in vascular endothelium of human and rat liver sinusoids. <i>PLoS ONE</i> , 2012 , 7, e34206	3.7	46
103	Inhibition of tumor growth and angiogenesis by soluble EphB4. <i>Neoplasia</i> , 2004 , 6, 248-57	6.4	46
102	Tumor stroma marker endosialin (Tem1) is a binding partner of metastasis-related protein Mac-2 BP/90K. <i>FASEB Journal</i> , 2008 , 22, 3059-67	0.9	45
101	Predictive Value of Routine Circulating Soluble Endothelial Cell Adhesion Molecule Measurements during Pregnancy. <i>Clinical Chemistry</i> , 2002 , 48, 1418-1425	5.5	45
100	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, 5065-71	5.4	44
99	Migrating endothelial cells are distinctly hyperglycosylated and express specific migration-associated cell surface glycoproteins. <i>Journal of Cell Biology</i> , 1992 , 119, 483-91	7.3	44
98	Endothelial Tie1-mediated angiogenesis and vascular abnormalization promote tumor progression and metastasis. <i>Journal of Clinical Investigation</i> , 2018 , 128, 834-845	15.9	43
97	Angiocrine Wnt signaling controls liver growth and metabolic maturation in mice. <i>Hepatology</i> , 2018 , 68, 707-722	11.2	41
96	Modulation of endothelial cell surface glycoconjugate expression by organ-derived biomatrices. <i>Experimental Cell Research</i> , 1991 , 192, 346-51	4.2	41

95	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, 111-9	5.8	39
94	Extracellular RNA liberates tumor necrosis factor- α to promote tumor cell trafficking and progression. <i>Cancer Research</i> , 2013 , 73, 5080-9	10.1	39
93	Combination of reverse and chemical genetic screens reveals angiogenesis inhibitors and targets. <i>Chemistry and Biology</i> , 2009 , 16, 432-41		38
92	Synaptojanin-2 binding protein stabilizes the Notch ligands DLL1 and DLL4 and inhibits sprouting angiogenesis. <i>Circulation Research</i> , 2013 , 113, 1206-18	15.7	37
91	VEGF165-induced vascular permeability requires NRP1 for ABL-mediated SRC family kinase activation. <i>Journal of Experimental Medicine</i> , 2017 , 214, 1049-1064	16.6	36
90	Endothelial transdifferentiation in hepatocellular carcinoma: loss of Stabilin-2 expression in peri-tumourous liver correlates with increased survival. <i>Liver International</i> , 2013 , 33, 1428-40	7.9	36
89	EphB4 promotes site-specific metastatic tumor cell dissemination by interacting with endothelial cell-expressed ephrinB2. <i>Molecular Cancer Research</i> , 2010 , 8, 1297-309	6.6	36
88	The transcription factor HOXC9 regulates endothelial cell quiescence and vascular morphogenesis in zebrafish via inhibition of interleukin 8. <i>Circulation Research</i> , 2011 , 108, 1367-77	15.7	34
87	Vascular morphogenesis in the ovary. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2000 , 14, 867-82	4.6	34
86	Endosialin Promotes Atherosclerosis Through Phenotypic Remodeling of Vascular Smooth Muscle Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 495-505	9.4	33
85	Endosialin-Expressing Pericytes Promote Metastatic Dissemination. <i>Cancer Research</i> , 2016 , 76, 5313-25	10.1	33
84	Neuropilin-1 mediates vascular permeability independently of vascular endothelial growth factor receptor-2 activation. <i>Science Signaling</i> , 2016 , 9, ra42	8.8	33
83	Distinct activities of Bartonella henselae type IV secretion effector proteins modulate capillary-like sprout formation. <i>Cellular Microbiology</i> , 2009 , 11, 1088-101	3.9	32
82	Comparison of growth and differentiation of normal and neoplastic canine keratinocyte cultures. <i>Veterinary Pathology</i> , 1991 , 28, 131-8	2.8	31
81	Hepatic stellate cells limit hepatocellular carcinoma progression through the orphan receptor endosialin. <i>EMBO Molecular Medicine</i> , 2017 , 9, 741-749	12	28
80	Down-regulation of endothelial ephrinB2 expression by laminar shear stress. <i>Endothelium: Journal of Endothelial Cell Research</i> , 2004 , 11, 259-65		28
79	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, 221-7	4.2	26
78	Junb regulates arterial contraction capacity, cellular contractility, and motility via its target Myl9 in mice. <i>Journal of Clinical Investigation</i> , 2010 , 120, 2307-18	15.9	26

77	The VEGF-regulated transcription factor HLX controls the expression of guidance cues and negatively regulates sprouting of endothelial cells. <i>Blood</i> , 2011 , 117, 2735-44	2.2	25
76	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, 457-60	4.9	25
75	The BTB-Kelch protein KLEIP controls endothelial migration and sprouting angiogenesis. <i>Circulation Research</i> , 2007 , 100, 1155-63	15.7	25
74	The transcriptomic and epigenetic map of vascular quiescence in the continuous lung endothelium. <i>ELife</i> , 2018 , 7,	8.9	25
73	Therapeutic interference with EphrinB2 signalling inhibits oxygen-induced angioproliferative retinopathy. <i>Acta Ophthalmologica</i> , 2011 , 89, 82-90	3.7	24
72	Phenotypic characterization of normal and neoplastic canine endothelial cells by lectin histochemistry. <i>Veterinary Pathology</i> , 1990 , 27, 103-9	2.8	23
71	Delta-Like Ligand 4 Modulates Liver Damage by Down-Regulating Chemokine Expression. <i>American Journal of Pathology</i> , 2016 , 186, 1874-1889	5.8	23
70	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, 161-70	9.9	22
69	Tie2 activation promotes choriocapillary regeneration for alleviating neovascular age-related macular degeneration. <i>Science Advances</i> , 2019 , 5, eaau6732	14.3	21
68	Recruitment of human cord blood-derived endothelial colony-forming cells to sites of tumor angiogenesis. <i>Cytotherapy</i> , 2013 , 15, 726-39	4.8	21
67	An inducible hepatocellular carcinoma model for preclinical evaluation of antiangiogenic therapy in adult mice. <i>Cancer Research</i> , 2014 , 74, 4157-69	10.1	21
66	Models in Translational Oncology: A Public Resource Database for Preclinical Cancer Research. <i>Cancer Research</i> , 2017 , 77, 2557-2563	10.1	20
65	VEGFR1 Metastasis-Associated Macrophages Contribute to Metastatic Angiogenesis and Influence Colorectal Cancer Patient Outcome. <i>Clinical Cancer Research</i> , 2019 , 25, 5674-5685	12.9	20
64	Mouse models of human cancer. <i>Cancer Research</i> , 2014 , 74, 4671-5	10.1	20
63	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, 41-5	2.4	20
62	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	11.5	19
61	Angiopoietin-1 mediates inhibition of hypertension-induced release of angiopoietin-2 from endothelial cells. <i>Cardiovascular Research</i> , 2012 , 94, 510-8	9.9	19
60	Potent inhibition of angiogenesis by D,L-peptides derived from vascular endothelial growth factor receptor 2. <i>Thrombosis and Haemostasis</i> , 2003 , 90, 501-10	7	19

59	G-CSF rescues tumor growth and neo-angiogenesis during liver metastasis under host angiopoietin-2 deficiency. <i>International Journal of Cancer</i> , 2013 , 132, 315-26	7.5	18
58	Soluble Notch ligand and receptor peptides act antagonistically during angiogenesis. <i>Cardiovascular Research</i> , 2015 , 107, 153-63	9.9	18
57	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	15.7	18
56	Dietary protein dilution limits dyslipidemia in obesity through FGF21-driven fatty acid clearance. <i>Journal of Nutritional Biochemistry</i> , 2018 , 57, 189-196	6.3	17
55	Age-Related Gliosis Promotes Central Nervous System Lymphoma through CCL19-Mediated Tumor Cell Retention. <i>Cancer Cell</i> , 2019 , 36, 250-267.e9	24.3	16
54	Beyond Angiogenesis: Exploiting Angiocrine Factors to Restrict Tumor Progression and Metastasis. <i>Cancer Research</i> , 2020 , 80, 659-662	10.1	16
53	No evidence for a functional role of bi-directional Notch signaling during angiogenesis. <i>PLoS ONE</i> , 2012 , 7, e53074	3.7	16
52	Understanding angiodiversity: insights from single cell biology. <i>Development (Cambridge)</i> , 2020 , 147,	6.6	16
51	Angiopoietin-2 mediates thrombin-induced monocyte adhesion and endothelial permeability. <i>Journal of Thrombosis and Haemostasis</i> , 2016 , 14, 1655-67	15.4	16
50	Endothelial cell fitness dictates the source of regenerating liver vasculature. <i>Journal of Experimental Medicine</i> , 2018 , 215, 2497-2508	16.6	16
49	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, 1103-12	3.4	15
48	Myocardial Angiopoietin-1 Controls Atrial Chamber Morphogenesis by Spatiotemporal Degradation of Cardiac Jelly. <i>Cell Reports</i> , 2018 , 23, 2455-2466	10.6	15
47	Visceral obesity and insulin resistance associate with CD36 deletion in lymphatic endothelial cells. <i>Nature Communications</i> , 2021 , 12, 3350	17.4	14
46	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	10.2	14
45	Predictive value of routine circulating soluble endothelial cell adhesion molecule measurements during pregnancy. <i>Clinical Chemistry</i> , 2002 , 48, 1418-25	5.5	14
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