

Patricia A D amore

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181
papers

22,056
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73
h-index

147
g-index

191
ext. papers

23,589
ext. citations

8.6
avg, IF

6.71
L-index

#	Paper	IF	Citations
181	Soluble endoglin contributes to the pathogenesis of preeclampsia. <i>Nature Medicine</i> , 2006 , 12, 642-9	50.5	1411
180	Blood vessel formation: what is its molecular basis?. <i>Cell</i> , 1996 , 87, 1153-5	56.2	1112
179	Engineering vascularized skeletal muscle tissue. <i>Nature Biotechnology</i> , 2005 , 23, 879-84	44.5	1016
178	Regulators of angiogenesis. <i>Annual Review of Physiology</i> , 1991 , 53, 217-39	23.1	814
177	VEGF-A stimulates lymphangiogenesis and hemangiogenesis in inflammatory neovascularization via macrophage recruitment. <i>Journal of Clinical Investigation</i> , 2004 , 113, 1040-50	15.9	728
176	PDGF, TGF-beta, and heterotypic cell-cell interactions mediate endothelial cell-induced recruitment of 10T1/2 cells and their differentiation to a smooth muscle fate. <i>Journal of Cell Biology</i> , 1998 , 141, 805-14	7.2	698
175	Impaired myocardial angiogenesis and ischemic cardiomyopathy in mice lacking the vascular endothelial growth factor isoforms VEGF164 and VEGF188. <i>Nature Medicine</i> , 1999 , 5, 495-502	50.5	559
174	Inhibition of capillary endothelial cell growth by pericytes and smooth muscle cells. <i>Journal of Cell Biology</i> , 1987 , 105, 1455-62	7.3	537
173	Inflammation-induced lymphangiogenesis in the cornea arises from CD11b-positive macrophages. <i>Journal of Clinical Investigation</i> , 2005 , 115, 2363-72	15.9	519
172	Endogenous VEGF is required for visual function: evidence for a survival role on Müller cells and photoreceptors. <i>PLoS ONE</i> , 2008 , 3, e3554	3.7	448
171	Vascular development: cellular and molecular regulation. <i>FASEB Journal</i> , 1997 , 11, 365-373	0.9	436
170	An essential role for RPE-derived soluble VEGF in the maintenance of the choriocapillaris. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18751-6	11.5	389
169	Growth factors are released by mechanically wounded endothelial cells. <i>Journal of Cell Biology</i> , 1989 , 109, 811-22	7.3	381
168	VEGF164-mediated inflammation is required for pathological, but not physiological, ischemia-induced retinal neovascularization. <i>Journal of Experimental Medicine</i> , 2003 , 198, 483-9	16.6	368
167	Vascular endothelial growth factor and its receptors. <i>Cytokine and Growth Factor Reviews</i> , 1996 , 7, 259-70	7.9	360
166	Decreased macrophage number and activation lead to reduced lymphatic vessel formation and contribute to impaired diabetic wound healing. <i>American Journal of Pathology</i> , 2007 , 170, 1178-91	5.8	350
165	Microvascular pericytes contain muscle and nonmuscle actins. <i>Journal of Cell Biology</i> , 1985 , 101, 43-52	7.3	346

164	Pericyte production of cell-associated VEGF is differentiation-dependent and is associated with endothelial survival. <i>Developmental Biology</i> , 2003 , 264, 275-88	3.1	311
163	Endothelial cells modulate the proliferation of mural cell precursors via platelet-derived growth factor-BB and heterotypic cell contact. <i>Circulation Research</i> , 1999 , 84, 298-305	15.7	286
162	Development and pathology of the hyaloid, choroidal and retinal vasculature. <i>International Journal of Developmental Biology</i> , 2004 , 48, 1045-58	1.9	281
161	Mechanisms of angiogenesis. <i>Annual Review of Physiology</i> , 1987 , 49, 453-64	23.1	275
160	Demonstration of vasoproliferative activity from mammalian retina. <i>Journal of Cell Biology</i> , 1980 , 84, 298-304	7.3	243
159	Blood vessel maturation: vascular development comes of age. <i>Journal of Clinical Investigation</i> , 1999 , 103, 157-8	15.9	239
158	The mouse gene for vascular endothelial growth factor. Genomic structure, definition of the transcriptional unit, and characterization of transcriptional and post-transcriptional regulatory sequences. <i>Journal of Biological Chemistry</i> , 1996 , 271, 3877-83	5.4	233
157	IGF2: epigenetic regulation and role in development and disease. <i>Cytokine and Growth Factor Reviews</i> , 2008 , 19, 111-20	17.9	227
156	Vascular endothelial growth factor localization in the adult. <i>American Journal of Pathology</i> , 2006 , 168, 639-48	5.8	226
155	Hypoxic induction of vascular endothelial growth factor (VEGF) in human epithelial cells is mediated by increases in mRNA stability. <i>FEBS Letters</i> , 1995 , 370, 203-8	3.8	225
154	Endothelial cell mitogens derived from retina and hypothalamus: biochemical and biological similarities. <i>Journal of Cell Biology</i> , 1984 , 99, 1545-9	7.3	211
153	Epoxyeicosanoids stimulate multiorgan metastasis and tumor dormancy escape in mice. <i>Journal of Clinical Investigation</i> , 2012 , 122, 178-91	15.9	208
152	RhoA/ROCK signaling is essential for multiple aspects of VEGF-mediated angiogenesis. <i>FASEB Journal</i> , 2010 , 24, 3186-95	0.9	188
151	NLRP3 inflammasome activation in retinal pigment epithelial cells by lysosomal destabilization: implications for age-related macular degeneration 2013 , 54, 110-20		183
150	Vascular endothelial growth factor-induced migration of vascular smooth muscle cells in vitro. <i>Microvascular Research</i> , 1999 , 58, 128-36	3.7	183
149	VEGF expression and receptor activation in the choroid during development and in the adult. <i>Investigative Ophthalmology and Visual Science</i> , 2006 , 47, 3135-42		173
148	Arteriolar and venular patterning in retinas of mice selectively expressing VEGF isoforms. <i>Journal of Clinical Investigation</i> , 2002 , 109, 327-36	15.9	172
147	Culture of retinal capillary cells using selective growth media. <i>Microvascular Research</i> , 1983 , 26, 74-80	3.7	168

146	Arterial versus venous endothelial cells. <i>Cell and Tissue Research</i> , 2009 , 335, 5-16	4.2	166
145	Heparin potentiates the action of acidic fibroblast growth factor by prolonging its biological half-life. <i>Journal of Cellular Physiology</i> , 1989 , 138, 221-6	7	165
144	Growth factor effects on cells of the vascular wall: a survey. <i>Growth Factors</i> , 1993 , 8, 61-75	1.6	155
143	TGF-beta is required for vascular barrier function, endothelial survival and homeostasis of the adult microvasculature. <i>PLoS ONE</i> , 2009 , 4, e5149	3.7	148
142	Role of shear-stress-induced VEGF expression in endothelial cell survival. <i>Journal of Cell Science</i> , 2012 , 125, 831-43	5.3	146
141	Signal transduction in vasculogenesis and developmental angiogenesis. <i>International Journal of Developmental Biology</i> , 2011 , 55, 353-63	1.9	145
140	Forty-year journey of angiogenesis translational research. <i>Science Translational Medicine</i> , 2011 , 3, 114rv317.5	17.5	144
139	VEGF and TGF-beta are required for the maintenance of the choroid plexus and ependyma. <i>Journal of Experimental Medicine</i> , 2008 , 205, 491-501	16.6	144
138	Tumor escape from endogenous, extracellular matrix-associated angiogenesis inhibitors by up-regulation of multiple proangiogenic factors. <i>Clinical Cancer Research</i> , 2008 , 14, 1529-39	12.9	143
137	Acidic fibroblast growth factor enhances regeneration of processes by postnatal mammalian retinal ganglion cells in culture. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 2388-92	11.5	143
136	Roles for VEGF in the adult. <i>Microvascular Research</i> , 2007 , 74, 100-13	3.7	142
135	Defective pulmonary development in the absence of heparin-binding vascular endothelial growth factor isoforms. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2002 , 27, 194-203	5.7	142
134	Modes of FGF release in vivo and in vitro. <i>Cancer and Metastasis Reviews</i> , 1990 , 9, 227-38	9.6	142
133	Neurite outgrowth induced by an endothelial cell mitogen isolated from retina. <i>Journal of Cell Biology</i> , 1986 , 103, 1363-7	7.3	127
132	Angiogenic activity from bovine retina: partial purification and characterization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1981 , 78, 3068-72	11.5	125
131	What tangled webs they weave: Rho-GTPase control of angiogenesis. <i>Cellular and Molecular Life Sciences</i> , 2007 , 64, 2053-65	10.3	122
130	Analysis of hypoxia-related gene expression in sarcomas and effect of hypoxia on RNA interference of vascular endothelial cell growth factor A. <i>Cancer Research</i> , 2005 , 65, 5881-9	10.1	120
129	A brief history of anti-VEGF for the treatment of ocular angiogenesis. <i>American Journal of Pathology</i> , 2012 , 181, 376-9	5.8	119

128	Expression and role of VEGF in the adult retinal pigment epithelium 2011 , 52, 9478-87		119
127	Nerve growth factor and fibroblast growth factor regulate neurite outgrowth and gene expression in PC12 cells via both protein kinase C- and cAMP-independent mechanisms. <i>Journal of Cell Biology</i> , 1990 , 110, 1333-9	7.3	111
126	Acidic fibroblast growth factor stimulates adrenal chromaffin cells to proliferate and to extend neurites, but is not a long-term survival factor. <i>Neuron</i> , 1988 , 1, 783-90	13.9	110
125	Stimulation of growth and calcium influx in cultured, bovine, aortic endothelial cells by platelets and vasoactive substances. <i>Journal of Cellular Physiology</i> , 1977 , 92, 177-83	7	105
124	Epoxyeicosanoids promote organ and tissue regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 13528-33	11.5	102
123	Comparative toxicity of mitomycin C and 5-fluorouracil in vitro. <i>American Journal of Ophthalmology</i> , 1994 , 118, 332-7	4.9	102
122	Transcriptional regulation of vascular endothelial growth factor in cancer. <i>Cytokine and Growth Factor Reviews</i> , 2005 , 16, 77-89	17.9	100
121	Adult tissues contain chemoattractants for vascular endothelial cells. <i>Nature</i> , 1980 , 288, 483-4	50.4	98
120	Coordinated vascular endothelial growth factor expression and signaling during skeletal myogenic differentiation. <i>Molecular Biology of the Cell</i> , 2008 , 19, 994-1006	3.5	97
119	Endothelial cell-astrocyte interactions and TGF beta are required for induction of blood-neural barrier properties. <i>Developmental Brain Research</i> , 2004 , 152, 25-38		96
118	Characterization of vascular development in the mouse retina. <i>Microvascular Research</i> , 1988 , 36, 275-90	3.7	95
117	Cultured endothelial cells display endogenous activation of the canonical Wnt signaling pathway and express multiple ligands, receptors, and secreted modulators of Wnt signaling. <i>Developmental Dynamics</i> , 2006 , 235, 3110-20	2.9	93
116	Cell-cell interactions in vascular development. <i>Current Topics in Developmental Biology</i> , 2001 , 52, 107-49	5.3	91
115	Adult human saphenous vein endothelial cells: assessment of their reproductive capacity for use in endothelial seeding of vascular prostheses. <i>Journal of Surgical Research</i> , 1984 , 36, 588-96	2.5	90
114	Disorders of Vascular Permeability. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2016 , 11, 251-81	34	86
113	Retinal pigment epithelium and endothelial cell interaction causes retinal pigment epithelial barrier dysfunction via a soluble VEGF-dependent mechanism. <i>Experimental Eye Research</i> , 2003 , 77, 593-9	3.7	78
112	Arachidonic acid metabolites in bFGF-, PDGF-, and serum-stimulated vascular cell growth. <i>Experimental Cell Research</i> , 1994 , 212, 262-73	4.2	77
111	Genome editing abrogates angiogenesis in vivo. <i>Nature Communications</i> , 2017 , 8, 112	17.4	74

110	Breast cancer cells secreted platelet-derived growth factor-induced motility of vascular smooth muscle cells is mediated through neuropilin-1. <i>Molecular Carcinogenesis</i> , 2006 , 45, 871-80	5	74
109	Elevated basic fibroblast growth factor in the serum of patients with Duchenne muscular dystrophy. <i>Annals of Neurology</i> , 1994 , 35, 362-5	9.4	74
108	Regulation of basic fibroblast growth factor (bFGF) gene and protein expression following its release from sublethally injured endothelial cells. <i>Journal of Cellular Biochemistry</i> , 1995 , 58, 328-43	4.7	73
107	Sulfated glycosaminoglycans modify growth factor-induced neurite outgrowth in PC12 cells. <i>Journal of Cellular Physiology</i> , 1988 , 135, 293-300	7	73
106	Endothelial-mesenchymal interactions in vitro reveal molecular mechanisms of smooth muscle/pericyte differentiation. <i>Stem Cells and Development</i> , 2004 , 13, 509-20	4.4	72
105	Mechanisms of endothelial growth control. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1992 , 6, 1-8	5.7	72
104	Influence of pericytes on capillary endothelial cell growth. <i>The American Review of Respiratory Disease</i> , 1989 , 140, 1129-31		70
103	Endothelial cell regulation by transforming growth factor-beta. <i>Journal of Cellular Biochemistry</i> , 1991 , 47, 224-9	4.7	69
102	The demonstration of angiogenic activity from ocular tissues. Preliminary report. <i>Ophthalmology</i> , 1980 , 87, 440-6	7.3	68
101	Cell specific effects of glycosaminoglycans on the attachment and proliferation of vascular wall components. <i>Microvascular Research</i> , 1986 , 31, 41-53	3.7	67
100	Optic nerve injury alters basic fibroblast growth factor localization in the retina and optic tract. <i>Journal of Neuroscience</i> , 1994 , 14, 1441-9	6.6	65
99	Vascular endothelial growth factor is important for brown adipose tissue development and maintenance. <i>FASEB Journal</i> , 2013 , 27, 3257-71	0.9	64
98	Vascular endothelial cell growth factor-a: not just for endothelial cells anymore. <i>American Journal of Pathology</i> , 2007 , 171, 14-8	5.8	63
97	Cellular interactions in vascular growth and differentiation. <i>International Review of Cytology</i> , 2001 , 204, 1-48		63
96	Vasoactive hormones and cAMP affect pericyte contraction and stress fibres in vitro. <i>Journal of Muscle Research and Cell Motility</i> , 1988 , 9, 184-94	3.5	63
95	Inhibition of VEGF or TGF- β signaling activates endothelium and increases leukocyte rolling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 1185-92	9.4	58
94	The function of vascular endothelial growth factor. <i>BioFactors</i> , 2009 , 35, 332-7	6.1	58
93	Neuroprotective effect of chronic infusion of basic fibroblast growth factor on seizure-associated hippocampal damage. <i>Brain Research</i> , 1993 , 626, 335-8	3.7	58

92	Wnt1 and Wnt5a affect endothelial proliferation and capillary length; Wnt2 does not. <i>Growth Factors</i> , 2007 , 25, 25-32	1.6	53
91	Pericyte isolation and use in endothelial/pericyte coculture models. <i>Methods in Enzymology</i> , 2008 , 443, 315-31	1.7	51
90	VEGF expression is downregulated in nitrofen-induced congenital diaphragmatic hernia. <i>Journal of Pediatric Surgery</i> , 2004 , 39, 825-8; discussion 825-8	2.6	50
89	Identification and cloning of a secreted protein related to the cysteine-rich domain of frizzled. Evidence for a role in endothelial cell growth control. <i>Circulation Research</i> , 1999 , 84, 1433-45	15.7	50
88	CADASIL mutations impair Notch3 glycosylation by Fringe. <i>Human Molecular Genetics</i> , 2005 , 14, 1631-9	5.6	49
87	Identification of genes involved in VEGF-mediated vascular morphogenesis using embryonic stem cell-derived cystic embryoid bodies. <i>Laboratory Investigation</i> , 2004 , 84, 1209-18	5.9	46
86	Endomucin prevents leukocyte-endothelial cell adhesion and has a critical role under resting and inflammatory conditions. <i>Nature Communications</i> , 2016 , 7, 10363	17.4	45
85	The maintenance of lymphatic vessels in the cornea is dependent on the presence of macrophages 2012 , 53, 3145-53		45
84	The role of shear-induced transforming growth factor- β signaling in the endothelium. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013 , 33, 2608-17	9.4	43
83	The role of hypoxia in vascular injury and repair. <i>Annual Review of Pathology: Mechanisms of Disease</i> , 2008 , 3, 615-43	34	43
82	Differential effects of VEGFR-1 and VEGFR-2 inhibition on tumor metastases based on host organ environment. <i>Cancer Research</i> , 2010 , 70, 8357-67	10.1	42
81	Contextual role for angiopoietins and TGF β 1 in blood vessel stabilization. <i>Journal of Cell Science</i> , 2007 , 120, 1810-7	5.3	42
80	Revisiting the mouse model of oxygen-induced retinopathy. <i>Eye and Brain</i> , 2016 , 8, 67-79	5.7	42
79	Oxidized Lipoprotein Uptake Through the CD36 Receptor Activates the NLRP3 Inflammasome in Human Retinal Pigment Epithelial Cells 2016 , 57, 4704-12		41
78	The role of RPE cell-associated VEGF in choroidal endothelial cell transmigration across the RPE 2011 , 52, 570-8		40
77	Comparison of the effects of mechanical stimulation on venous and arterial smooth muscle cells in vitro. <i>Journal of Vascular Research</i> , 1996 , 33, 405-13	1.9	40
76	Density-dependent endothelial cell production of an inhibitor of smooth muscle cell growth. <i>Journal of Cellular Biochemistry</i> , 1993 , 53, 21-31	4.7	40
75	Functional analysis of a mutant form of the receptor tyrosine kinase Tie2 causing venous malformations. <i>Journal of Molecular Medicine</i> , 2005 , 83, 58-63	5.5	39

74	Won't you be my neighbor? Local induction of arteriogenesis. <i>Cell</i> , 2002 , 110, 289-92	56.2	39
73	TGF- β signaling is required for maintenance of retinal ganglion cell differentiation and survival. <i>Neuroscience</i> , 2011 , 189, 123-31	3.9	38
72	Comparison of normal and tumorigenic endothelial cells: differences in thrombospondin production and responses to transforming growth factor-beta. <i>Journal of Cell Science</i> , 1994 , 107, 39-46	5.3	37
71	Editing VEGFR2 Blocks VEGF-Induced Activation of Akt and Tube Formation 2017 , 58, 1228-1236		36
70	Heparin-mediated release of fibroblast growth factor-like activity into the circulation of rabbits. <i>Growth Factors</i> , 1990 , 3, 221-9	1.6	35
69	Repression of vascular endothelial growth factor expression by the zinc finger transcription factor ZNF24. <i>Cancer Research</i> , 2007 , 67, 8736-41	10.1	34
68	Therapeutic antibody targeting of Notch3 signaling prevents mural cell loss in CADASIL. <i>Journal of Experimental Medicine</i> , 2017 , 214, 2271-2282	16.6	33
67	Tamoxifen toxicity in cultured retinal pigment epithelial cells is mediated by concurrent regulated cell death mechanisms 2014 , 55, 4747-58		32
66	Endomucin inhibits VEGF-induced endothelial cell migration, growth, and morphogenesis by modulating VEGFR2 signaling. <i>Scientific Reports</i> , 2017 , 7, 17138	4.9	30
65	Therapeutic angiogenesis for cardiovascular disease. <i>Current Controlled Trials in Cardiovascular Medicine</i> , 2001 , 2, 278-285		30
64	Identification of RUNX1 as a Mediator of Aberrant Retinal Angiogenesis. <i>Diabetes</i> , 2017 , 66, 1950-1956	0.9	29
63	Is blockade of vascular endothelial growth factor beneficial for all types of diabetic retinopathy?. <i>Diabetologia</i> , 2008 , 51, 1570-3	10.3	29
62	Tumor angiogenesis: a physiological process or genetically determined?. <i>Cancer and Metastasis Reviews</i> , 1996 , 15, 205-12	9.6	28
61	Antiangiogenesis as a strategy for antimetastasis. <i>Seminars in Thrombosis and Hemostasis</i> , 1988 , 14, 73-85	5.3	28
60	ErbB2 overexpression in mammary cells upregulates VEGF through the core promoter. <i>Biochemical and Biophysical Research Communications</i> , 2005 , 326, 455-65	3.4	27
59	From pathobiology to the targeting of pericytes for the treatment of diabetic retinopathy. <i>Current Diabetes Reports</i> , 2015 , 15, 573	5.6	26
58	Effects of hyperoxia on microvascular cells in vitro. <i>In Vitro Cellular & Developmental Biology</i> , 1987 , 23, 123-8		26
57	Molecular regulation of vascular endothelial growth factor expression in the retinal pigment epithelium. <i>Molecular Vision</i> , 2012 , 18, 519-27	2.3	26

56	Expression and role of VEGF--a in the ciliary body 2012 , 53, 7520-7		25
55	Vascular endothelial growth factor (VEGF) isoform regulation of early forebrain development. <i>Developmental Biology</i> , 2011 , 358, 9-22	3.1	25
54	Getting Tie(2)d up in angiogenesis. <i>Journal of Clinical Investigation</i> , 2002 , 110, 1615-7	15.9	25
53	Retinal microangiopathy in a mouse model of inducible mural cell loss. <i>American Journal of Pathology</i> , 2014 , 184, 2618-26	5.8	24
52	Capillary endothelial cell migration: loss of stress fibres in response to retina-derived growth factor. <i>Journal of Muscle Research and Cell Motility</i> , 1984 , 5, 697-709	3.5	24
51	Transcriptional repression of VEGF by ZNF24: mechanistic studies and vascular consequences in vivo. <i>Blood</i> , 2013 , 121, 707-15	2.2	23
50	Elevated levels of basic fibroblast growth factor in patients with limb ischemia. <i>American Heart Journal</i> , 1996 , 132, 1015-9	4.9	23
49	AAV-CRISPR/Cas9-Mediated Depletion of VEGFR2 Blocks Angiogenesis In Vitro 2017 , 58, 6082-6090		22
48	Cell-cell interactions in vessel assembly: a model for the fundamentals of vascular remodelling. <i>Transplant Immunology</i> , 1997 , 5, 177-8	1.7	22
47	Calcium flux and ornithine decarboxylase activity in cultured endothelial cells. <i>Life Sciences</i> , 1978 , 22, 571-6	6.8	22
46	The Clustered, Regularly Interspaced, Short Palindromic Repeats-associated Endonuclease 9 (CRISPR/Cas9)-created MDM2 T309G Mutation Enhances Vitreous-induced Expression of MDM2 and Proliferation and Survival of Cells. <i>Journal of Biological Chemistry</i> , 2016 , 291, 16339-47	5.4	21
45	VEGFR1 signaling in retinal angiogenesis and microinflammation. <i>Progress in Retinal and Eye Research</i> , 2021 , 84, 100954	20.5	21
44	Notch signaling functions in retinal pericyte survival 2014 , 55, 5191-9		20
43	Role of cell and matrix-bound VEGF isoforms in lens development 2009 , 50, 311-21		19
42	Alterations in gene expression associated with changes in the state of endothelial differentiation. <i>Differentiation</i> , 1995 , 58, 217-26	3.5	19
41	First annual Lamport award manuscript. Platelet--endothelial interaction and the maintenance of the microvasculature. <i>Microvascular Research</i> , 1978 , 15, 137-45	3.7	19
40	Expression of fibroblast growth factor by F9 teratocarcinoma cells as a function of differentiation. <i>Journal of Cell Biology</i> , 1989 , 108, 2467-76	7.3	18
39	Cell-cell interactions in diabetic angiopathy. <i>Diabetes Care</i> , 1992 , 15, 1168-80	14.6	17

38	Heparin and growth control of vascular cells. <i>Annals of the New York Academy of Sciences</i> , 1989 , 556, 255-67	6.5	17
37	Seeding of Dacron vascular prostheses with endothelium of aortic origin. <i>Journal of Surgical Research</i> , 1983 , 34, 33-43	2.5	17
36	The American Microcirculatory Society Landis Award lecture. Endothelial cells, inflammatory edema, and the microvascular barrier: comments by a "free radical". <i>Microvascular Research</i> , 1988 , 35, 246-64	3.7	15
35	Regulation of soluble neuropilin 1, an endogenous angiogenesis inhibitor, in liver development and regeneration. <i>Pathology</i> , 2014 , 46, 416-23	1.6	14
34	Glycocalyx regulation of vascular endothelial growth factor receptor 2 activity. <i>FASEB Journal</i> , 2019 , 33, 9362-9373	0.9	13
33	Introduction of the MDM2 T309G Mutation in Primary Human Retinal Epithelial Cells Enhances Experimental Proliferative Vitreoretinopathy 2017 , 58, 5361-5367		13
32	Neuropilin 1 Receptor Is Up-Regulated in Dysplastic Epithelium and Oral Squamous Cell Carcinoma. <i>American Journal of Pathology</i> , 2016 , 186, 1055-64	5.8	13
31	Heat treatment of retinal pigment epithelium induces production of elastic lamina components and antiangiogenic activity. <i>FASEB Journal</i> , 2012 , 26, 567-75	0.9	13
30	Orbital Angiogenesis and Lymphangiogenesis in Thyroid Eye Disease: An Analysis of Vascular Growth Factors with Clinical Correlation. <i>Ophthalmology</i> , 2016 , 123, 2028-36	7.3	13
29	Density-dependent expression of hyaluronic acid binding to vascular cells in vitro. <i>Microvascular Research</i> , 1991 , 41, 239-51	3.7	12
28	Neuropilin 1 expression correlates with differentiation status of epidermal cells and cutaneous squamous cell carcinomas. <i>Laboratory Investigation</i> , 2014 , 94, 752-65	5.9	11
27	ADAM10 and ADAM17 proteases mediate proinflammatory cytokine-induced and constitutive cleavage of endomucin from the endothelial surface. <i>Journal of Biological Chemistry</i> , 2020 , 295, 6641-6651	5.4	10
26	Prevention of Proliferative Vitreoretinopathy by Suppression of Phosphatidylinositol 5-Phosphate 4-Kinases 2016 , 57, 3935-43		10
25	Blood biomarkers in a mouse model of CADASIL. <i>Brain Research</i> , 2016 , 1644, 118-26	3.7	10
24	Culture of large vessel endothelial cells on floating collagen gels promotes a phenotype characteristic of endothelium in vivo. <i>Differentiation</i> , 2004 , 72, 162-70	3.5	9
23	Rapid fibroblast growth factor-induced increases in protein phosphorylation and ornithine decarboxylase activity: regulation by heparin and comparison to nerve growth factor-induced increases. <i>Experimental Cell Research</i> , 1992 , 201, 154-9	4.2	9
22	Characterization of cells from patient-derived fibrovascular membranes in proliferative diabetic retinopathy. <i>Molecular Vision</i> , 2015 , 21, 673-87	2.3	8
21	Application of CRISPR-Cas9 in eye disease. <i>Experimental Eye Research</i> , 2017 , 161, 116-123	3.7	7

20	Use of size-exclusion and ion-exchange high-performance liquid chromatography for the isolation of biologically active growth factors. <i>Journal of Chromatography A</i> , 1983 , 266, 301-11	4.5	7
19	Intracellular thiol redox status regulates lymphangiogenesis and dictates corneal limbal graft survival 2010 , 51, 2450-8		6
18	The location and expression of fibroblast growth factor (FGF) in F9 visceral and parietal embryonic cells after retinoic acid-induced differentiation. <i>Differentiation</i> , 1992 , 50, 141-52	3.5	6
17	Coculture Assays for Endothelial Cells-Mural Cells Interactions. <i>Methods in Molecular Biology</i> , 2016 , 1464, 35-47	1.4	6
16	Elements of the Endomucin Extracellular Domain Essential for VEGF-Induced VEGFR2 Activity. <i>Cells</i> , 2020 , 9,	7.9	5
15	Judah Folkman's contribution to the inhibition of angiogenesis. <i>Lymphatic Research and Biology</i> , 2008 , 6, 203-7	2.3	5
14	Targeting of miR-33 ameliorates phenotypes linked to age-related macular degeneration. <i>Molecular Therapy</i> , 2021 , 29, 2281-2293	11.7	5
13	Chapter 8 Growth Control in the retinal microvasculature. <i>Progress in Retinal and Eye Research</i> , 1988 , 7, 233-258		4
12	Update on the Role of the Endothelial Glycocalyx in Angiogenesis and Vascular Inflammation. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 734276	5.7	4
11	Preferential expression of a 130,000-Da cell surface protein by vascular wall cells in vitro and in vivo. <i>Microvascular Research</i> , 1988 , 35, 265-77	3.7	2
10	All vessels are not created equal. <i>American Journal of Pathology</i> , 2013 , 182, 1087-91	5.8	1
9	Endomucin Plays a Role in Retinal Vascular Development and in VEGF-Induced Endothelial Cell Migration, Growth, and Morphogenesis. <i>FASEB Journal</i> , 2015 , 29, 418.1	0.9	1
8	Galectin-3 Enhances Vascular Endothelial Growth Factor-A Receptor 2 Activity in the Presence of Vascular Endothelial Growth Factor. <i>Frontiers in Cell and Developmental Biology</i> , 2021 , 9, 734346	5.7	0
7	Cellular signaling 2008 , 89-120		
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