

David O Bates

List of Publications by Citations

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199
papers

10,832
citations

56
h-index

98
g-index

208
ext. papers

12,161
ext. citations

5.9
avg, IF

6.25
L-index

#	Paper	IF	Citations
199	Hallmarks of alternative splicing in cancer. <i>Oncogene</i> , 2014 , 33, 5311-8	9.2	420
198	VEGF165b, an inhibitory splice variant of vascular endothelial growth factor, is down-regulated in renal cell carcinoma. <i>Cancer Research</i> , 2002 , 62, 4123-31	10.1	402
197	VEGF-A splicing: the key to anti-angiogenic therapeutics?. <i>Nature Reviews Cancer</i> , 2008 , 8, 880-7	31.3	379
196	VEGF165b, an inhibitory vascular endothelial growth factor splice variant: mechanism of action, in vivo effect on angiogenesis and endogenous protein expression. <i>Cancer Research</i> , 2004 , 64, 7822-35	10.1	370
195	Vascular endothelial growth factors and vascular permeability. <i>Cardiovascular Research</i> , 2010 , 87, 262-71	9.9	294
194	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018 , 21, 425-53	5.8	285
193	A research agenda for personal health records (PHRs). <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2008 , 15, 729-36	8.6	275
192	Regulation of vascular permeability by vascular endothelial growth factors. <i>Vascular Pharmacology</i> , 2002 , 39, 225-37	5.9	264
191	Expression of pro- and anti-angiogenic isoforms of VEGF is differentially regulated by splicing and growth factors. <i>Journal of Cell Science</i> , 2008 , 121, 3487-95	5.3	247
190	The digital divide in adoption and use of a personal health record. <i>Archives of Internal Medicine</i> , 2011 , 171, 568-74		228
189	Regulation of microvascular permeability by vascular endothelial growth factors. <i>Journal of Anatomy</i> , 2002 , 200, 581-97	2.9	209
188	WT1 mutants reveal SRPK1 to be a downstream angiogenesis target by altering VEGF splicing. <i>Cancer Cell</i> , 2011 , 20, 768-80	24.3	181
187	Diabetic retinopathy is associated with a switch in splicing from anti- to pro-angiogenic isoforms of vascular endothelial growth factor. <i>Diabetologia</i> , 2005 , 48, 2422-7	10.3	173
186	VEGF 165 b, an antiangiogenic VEGF-A isoform, binds and inhibits bevacizumab treatment in experimental colorectal carcinoma: balance of pro- and antiangiogenic VEGF-A isoforms has implications for therapy. <i>British Journal of Cancer</i> , 2008 , 98, 1366-79	8.7	168
185	Loss of the endothelial glycocalyx links albuminuria and vascular dysfunction. <i>Journal of the American Society of Nephrology: JASN</i> , 2012 , 23, 1339-50	12.7	166
184	Regulation of vascular endothelial growth factor (VEGF) splicing from pro-angiogenic to anti-angiogenic isoforms: a novel therapeutic strategy for angiogenesis. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5532-40	5.4	156
183	Functional evidence that vascular endothelial growth factor may act as an autocrine factor on human podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 284, F1263-73	4.3	149

182	Lymphatic density and metastatic spread in human malignant melanoma. <i>British Journal of Cancer</i> , 2004 , 90, 693-700	8.7	137
181	Chemokine-mediated migration of melanoma cells towards lymphatics--a mechanism contributing to metastasis. <i>Oncogene</i> , 2007 , 26, 2997-3005	9.2	134
180	An antiangiogenic isoform of VEGF-A contributes to impaired vascularization in peripheral artery disease. <i>Nature Medicine</i> , 2014 , 20, 1464-71	50.5	131
179	Vascular endothelial growth factor (VEGF)-A165b is a weak in vitro agonist for VEGF receptor-2 due to lack of coreceptor binding and deficient regulation of kinase activity. <i>Cancer Research</i> , 2008 , 68, 4683-92	10.1	130
178	VEGF-mediated elevated intracellular calcium and angiogenesis in human microvascular endothelial cells in vitro are inhibited by dominant negative TRPC6. <i>Microcirculation</i> , 2008 , 15, 605-14	2.9	122
177	Alternative splicing in angiogenesis: the vascular endothelial growth factor paradigm. <i>Cancer Letters</i> , 2007 , 249, 133-42	9.9	115
176	Vascular Endothelial Growth Factor and Microvascular Permeability. <i>Microcirculation</i> , 1999 , 6, 83-96	2.9	113
175	Expression of VEGF(xxx)b, the inhibitory isoforms of VEGF, in malignant melanoma. <i>British Journal of Cancer</i> , 2007 , 97, 223-30	8.7	112
174	The endogenous anti-angiogenic VEGF isoform, VEGF165b inhibits human tumour growth in mice. <i>British Journal of Cancer</i> , 2008 , 98, 1250-7	8.7	108
173	IL-10 regulation of macrophage VEGF production is dependent on macrophage polarisation and hypoxia. <i>Immunobiology</i> , 2010 , 215, 796-803	3.4	101
172	Serine-arginine protein kinase 1 (SRPK1) inhibition as a potential novel targeted therapeutic strategy in prostate cancer. <i>Oncogene</i> , 2015 , 34, 4311-9	9.2	98
171	VEGF activates receptor-operated cation channels in human microvascular endothelial cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006 , 26, 1768-76	9.4	97
170	Vascular endothelial growth factor and nephrin interact and reduce apoptosis in human podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 288, F48-57	4.3	95
169	Vascular Endothelial Growth Factor-A165b Is Protective and Restores Endothelial Glycocalyx in Diabetic Nephropathy. <i>Journal of the American Society of Nephrology: JASN</i> , 2015 , 26, 1889-904	12.7	93
168	Molecular diversity of VEGF-A as a regulator of its biological activity. <i>Microcirculation</i> , 2009 , 16, 572-92	2.9	93
167	VEGF165b, an endogenous C-terminal splice variant of VEGF, inhibits retinal neovascularization in mice. <i>Molecular Vision</i> , 2006 , 12, 626-32	2.3	93
166	Nephrotic plasma alters slit diaphragm-dependent signaling and translocates nephrin, Podocin, and CD2 associated protein in cultured human podocytes. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 629-37	12.7	92
165	The anti-angiogenic isoforms of VEGF in health and disease. <i>Biochemical Society Transactions</i> , 2009 , 37, 1207-13	5.1	89

164	The role of vascular endothelial growth factor in wound healing. <i>International Journal of Lower Extremity Wounds</i> , 2003 , 2, 107-20	1.6	89
163	Evidence of a role for TRPC channels in VEGF-mediated increased vascular permeability in vivo. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2004 , 286, H1015-26	5.2	88
162	Patient perceptions of a personal health record: a test of the diffusion of innovation model. <i>Journal of Medical Internet Research</i> , 2012 , 14, e150	7.6	86
161	VEGF-A165b is an endogenous neuroprotective splice isoform of vascular endothelial growth factor A in vivo and in vitro. <i>American Journal of Pathology</i> , 2013 , 183, 918-29	5.8	78
160	Differentiated human podocytes endogenously express an inhibitory isoform of vascular endothelial growth factor (VEGF165b) mRNA and protein. <i>American Journal of Physiology - Renal Physiology</i> , 2004 , 286, F767-73	4.3	77
159	Three-dimensional reconstruction of glomeruli by electron microscopy reveals a distinct restrictive urinary subpodocyte space. <i>Journal of the American Society of Nephrology: JASN</i> , 2005 , 16, 1223-35	12.7	75
158	Angiopoietin-1 alters microvascular permeability coefficients in vivo via modification of endothelial glycocalyx. <i>Cardiovascular Research</i> , 2009 , 83, 24-33	9.9	73
157	Targeting SRPK1 to control VEGF-mediated tumour angiogenesis in metastatic melanoma. <i>British Journal of Cancer</i> , 2014 , 111, 477-85	8.7	72
156	ZM323881, a novel inhibitor of vascular endothelial growth factor-receptor-2 tyrosine kinase activity. <i>Microcirculation</i> , 2002 , 9, 513-22	2.9	71
155	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
154	Recombinant human VEGF165b protein is an effective anti-cancer agent in mice. <i>European Journal of Cancer</i> , 2008 , 44, 1883-94	7.5	68
153	Sialic acids regulate microvessel permeability, revealed by novel in vivo studies of endothelial glycocalyx structure and function. <i>Journal of Physiology</i> , 2017 , 595, 5015-5035	3.9	67
152	Vascular endothelial growth factor increases microvascular permeability via a Ca(2+)-dependent pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997 , 273, H687-94	5.2	64
151	Vascular endothelial growth factor increases hydraulic conductivity of isolated perfused microvessels. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1996 , 271, H2520-8	5.2	64
150	Intravital video-capillaroscopy for the study of the microcirculation in psoriasis. <i>British Journal of Dermatology</i> , 1992 , 126, 436-45	4	64
149	The alternatively spliced anti-angiogenic family of VEGF isoforms VEGF _{xxx} b in human kidney development. <i>Nephron Physiology</i> , 2008 , 110, p57-67		62
148	An FBXW7-ZEB2 axis links EMT and tumour microenvironment to promote colorectal cancer stem cells and chemoresistance. <i>Oncogenesis</i> , 2019 , 8, 13	6.6	61
147	VEGF-A165b is cytoprotective and antiangiogenic in the retina 2010 , 51, 4273-81		61

146	Association between VEGF splice isoforms and progression-free survival in metastatic colorectal cancer patients treated with bevacizumab. <i>Clinical Cancer Research</i> , 2012 , 18, 6384-91	12.9	58
145	The endogenous anti-angiogenic family of splice variants of VEGF, VEGFxxx _b , are down-regulated in pre-eclamptic placentae at term. <i>Clinical Science</i> , 2006 , 110, 575-85	6.5	57
144	Evidence for restriction of fluid and solute movement across the glomerular capillary wall by the subpodocyte space. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, F1777-86	4.3	56
143	VEGF and angiopoietin-1 stimulate different angiogenic phenotypes that combine to enhance functional neovascularization in adult tissue. <i>Microcirculation</i> , 2006 , 13, 423-37	2.9	56
142	Change in macromolecular composition of interstitial fluid from swollen arms after breast cancer treatment, and its implications. <i>Clinical Science</i> , 1993 , 85, 737-46	6.5	55
141	Recombinant human VEGF165b inhibits experimental choroidal neovascularization 2010 , 51, 4282-8		54
140	VEGF-C induced angiogenesis preferentially occurs at a distance from lymphangiogenesis. <i>Cardiovascular Research</i> , 2008 , 78, 315-23	9.9	54
139	Critical role of tissue kallikrein in vessel formation and maturation: implications for therapeutic revascularization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 657-64	9.4	53
138	The mutant p53-ID4 complex controls VEGFA isoforms by recruiting lncRNA MALAT1. <i>EMBO Reports</i> , 2017 , 18, 1331-1351	6.5	52
137	LGR5 regulates pro-survival MEK/ERK and proliferative Wnt/ β -catenin signalling in neuroblastoma. <i>Oncotarget</i> , 2015 , 6, 40053-67	3.3	52
136	Pharmacology of Modulators of Alternative Splicing. <i>Pharmacological Reviews</i> , 2017 , 69, 63-79	22.5	51
135	Alternative splicing of TIA-1 in human colon cancer regulates VEGF isoform expression, angiogenesis, tumour growth and bevacizumab resistance. <i>Molecular Oncology</i> , 2015 , 9, 167-78	7.9	51
134	Antiangiogenic actions of vascular endothelial growth factor-A165b, an inhibitory isoform of vascular endothelial growth factor-A, in human obesity. <i>Circulation</i> , 2014 , 130, 1072-80	16.7	51
133	Mammary alveolar development during lactation is inhibited by the endogenous antiangiogenic growth factor isoform, VEGF165b. <i>FASEB Journal</i> , 2008 , 22, 1104-12	0.9	51
132	Topical antiangiogenic SRPK1 inhibitors reduce choroidal neovascularization in rodent models of exudative AMD 2013 , 54, 6052-62		50
131	Development of Potent, Selective SRPK1 Inhibitors as Potential Topical Therapeutics for Neovascular Eye Disease. <i>ACS Chemical Biology</i> , 2017 , 12, 825-832	4.9	49
130	A TRPC-like non-selective cation current activated by alpha 1-adrenoceptors in rat mesenteric artery smooth muscle cells. <i>Cell Calcium</i> , 2006 , 40, 29-40	4	49
129	Glomerular filtration into the subpodocyte space is highly restricted under physiological perfusion conditions. <i>American Journal of Physiology - Renal Physiology</i> , 2007 , 293, F1787-98	4.3	49

128	Starling pressures in the human arm and their alteration in postmastectomy oedema. <i>Journal of Physiology</i> , 1994 , 477, 355-63	3.9	49
127	Neurotrophin-3 is a novel angiogenic factor capable of therapeutic neovascularization in a mouse model of limb ischemia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1143-50	9.4	48
126	Regulation of alternative VEGF-A mRNA splicing is a therapeutic target for analgesia. <i>Neurobiology of Disease</i> , 2014 , 71, 245-59	7.5	47
125	A role for the endothelial glycocalyx in regulating microvascular permeability in diabetes mellitus. <i>Cell Biochemistry and Biophysics</i> , 2007 , 49, 65-72	3.2	47
124	Vascular endothelial growth factor increases Rana vascular permeability and compliance by different signalling pathways. <i>Journal of Physiology</i> , 2001 , 533, 263-72	3.9	47
123	Intravital video-capillaroscopy for the study of the microcirculation in psoriasis. <i>British Journal of Dermatology</i> , 1992 , 126, 436-445	4	47
122	Failure to up-regulate VEGF165b in maternal plasma is a first trimester predictive marker for pre-eclampsia. <i>Clinical Science</i> , 2009 , 116, 265-72	6.5	46
121	Detection of VEGF-A(xxx)b isoforms in human tissues. <i>PLoS ONE</i> , 2013 , 8, e68399	3.7	44
120	Cervical cancer in low and middle-income countries. <i>Oncology Letters</i> , 2020 , 20, 2058-2074	2.6	44
119	Differential effects of vascular endothelial growth factor-C and placental growth factor-1 on the hydraulic conductivity of frog mesenteric capillaries. <i>Journal of Vascular Research</i> , 2001 , 38, 176-86	1.9	43
118	Regulation of vascular endothelial growth factor in prostate cancer. <i>Endocrine-Related Cancer</i> , 2015 , 22, R107-23	5.7	40
117	The chronic effect of vascular endothelial growth factor on individually perfused frog mesenteric microvessels. <i>Journal of Physiology</i> , 1998 , 513 (Pt 1), 225-33	3.9	39
116	The anti-angiogenic VEGF isoform VEGF165b transiently increases hydraulic conductivity, probably through VEGF receptor 1 in vivo. <i>Journal of Physiology</i> , 2006 , 572, 243-57	3.9	39
115	VEGF and ATP act by different mechanisms to increase microvascular permeability and endothelial [Ca(2+)](i). <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2000 , 279, H1625-34	5.2	39
114	VEGF(121)b, a new member of the VEGF(xxx)b family of VEGF-A splice isoforms, inhibits neovascularisation and tumour growth in vivo. <i>British Journal of Cancer</i> , 2009 , 101, 1183-93	8.7	38
113	Arteriolar genesis and angiogenesis induced by endothelial nitric oxide synthase overexpression results in a mature vasculature. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1462-8	9.4	38
112	Vascular endothelial growth factor as a survival factor for human islets: effect of immunosuppressive drugs. <i>Diabetologia</i> , 2007 , 50, 1423-32	10.3	38
111	Vascular Endothelial Growth Factor and Microvascular Permeability 1999 , 6, 83		38

110	VEGF-C promotes survival in podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, F196-207	4.3	37
109	3D reconstruction of the glycocalyx structure in mammalian capillaries using electron tomography. <i>Microcirculation</i> , 2012 , 19, 343-51	2.9	35
108	SRPK1 inhibition in vivo: modulation of VEGF splicing and potential treatment for multiple diseases. <i>Biochemical Society Transactions</i> , 2012 , 40, 831-5	5.1	35
107	Differential Expression of VEGF-A Isoforms Is Critical for Development of Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 479-493	10.2	34
106	Vascular endothelial growth factor-A165b prevents diabetic neuropathic pain and sensory neuronal degeneration. <i>Clinical Science</i> , 2015 , 129, 741-56	6.5	34
105	Overexpression of VEGF165b in podocytes reduces glomerular permeability. <i>Journal of the American Society of Nephrology: JASN</i> , 2010 , 21, 1498-509	12.7	34
104	Flufenamic acid is a tool for investigating TRPC6-mediated calcium signalling in human conditionally immortalised podocytes and HEK293 cells. <i>Cell Calcium</i> , 2009 , 45, 384-90	4	32
103	Vascular endothelial growth factor-C, a potential paracrine regulator of glomerular permeability, increases glomerular endothelial cell monolayer integrity and intracellular calcium. <i>American Journal of Pathology</i> , 2008 , 173, 938-48	5.8	32
102	SRPK1 inhibition modulates VEGF splicing to reduce pathological neovascularization in a rat model of retinopathy of prematurity 2013 , 54, 5797-806		31
101	CCR7 mediates directed growth of melanomas towards lymphatics. <i>Microcirculation</i> , 2011 , 18, 172-82	2.9	31
100	Human uremic plasma increases microvascular permeability to water and proteins in vivo. <i>Kidney International</i> , 2002 , 61, 1416-22	9.9	31
99	Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2301-2318	15.9	31
98	Vascular endothelial growth factor-Ab ameliorates outer-retinal barrier and vascular dysfunction in the diabetic retina. <i>Clinical Science</i> , 2017 , 131, 1225-1243	6.5	30
97	VEGFC Reduces Glomerular Albumin Permeability and Protects Against Alterations in VEGF Receptor Expression in Diabetic Nephropathy. <i>Diabetes</i> , 2019 , 68, 172-187	0.9	30
96	SRPK1 maintains acute myeloid leukemia through effects on isoform usage of epigenetic regulators including BRD4. <i>Nature Communications</i> , 2018 , 9, 5378	17.4	30
95	An unexpected tail of VEGF and PlGF in pre-eclampsia. <i>Biochemical Society Transactions</i> , 2011 , 39, 1576-82	3.1	28
94	Quantification of rate and depth of pitting in human edema using an electronic tonometer. <i>Lymphology</i> , 1994 , 27, 159-72	1.9	28
93	VEGF in the lung: a role for novel isoforms. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010 , 298, L768-74	5.8	27

92	Mechanisms regulating angiogenesis underlie seasonal control of pituitary function. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2514-E2523	11.5	26
91	IL-4 regulates specific Arg-1(+) macrophage sFlt-1-mediated inhibition of angiogenesis. <i>American Journal of Pathology</i> , 2015 , 185, 2324-35	5.8	26
90	In vivo mechanisms of vascular endothelial growth factor-mediated increased hydraulic conductivity of Rana capillaries. <i>Journal of Physiology</i> , 2001 , 534, 479-88	3.9	26
89	A human neutralizing antibody specific to Ang-2 inhibits ocular angiogenesis. <i>Microcirculation</i> , 2011 , 18, 598-607	2.9	24
88	Vascular endothelial growth factor-C (VEGF-C) expression in normal human tissues. <i>Lymphatic Research and Biology</i> , 2006 , 4, 73-82	2.3	24
87	Vascular endothelial growth factor and microvascular permeability. <i>Microcirculation</i> , 1999 , 6, 83-96	2.9	24
86	Ovarian VEGF(165)b expression regulates follicular development, corpus luteum function and fertility. <i>Reproduction</i> , 2012 , 143, 501-11	3.8	23
85	Therapeutic potential of manipulating VEGF splice isoforms in oncology. <i>Future Oncology</i> , 2009 , 5, 703-13	2.6	23
84	Vascular endothelial growth factor increases the ultrafiltration coefficient in isolated intact Wistar rat glomeruli. <i>Journal of Physiology</i> , 2006 , 570, 141-56	3.9	23
83	VEGF165b overexpression restores normal glomerular water permeability in VEGF164-overexpressing adult mice. <i>American Journal of Physiology - Renal Physiology</i> , 2012 , 303, F1026-36	4.3	22
82	BDNF (Brain-Derived Neurotrophic Factor) Promotes Embryonic Stem Cells Differentiation to Endothelial Cells Via a Molecular Pathway, Including MicroRNA-214, EZH2 (Enhancer of Zeste Homolog 2), and eNOS (Endothelial Nitric Oxide Synthase). <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 2117-2125	9.4	21
81	Impaired vascular permeability regulation caused by the VEGFB splice variant in pre-eclampsia. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2011 , 118, 1253-61	3.7	21
80	Chemotrap-1: an engineered soluble receptor that blocks chemokine-induced migration of metastatic cancer cells in vivo. <i>Cancer Research</i> , 2010 , 70, 8138-48	10.1	21
79	Borrelidin modulates the alternative splicing of VEGF in favour of anti-angiogenic isoforms. <i>Chemical Science</i> , 2011 , 2011, 273-278	9.4	21
78	An adenovirus-mediated gene-transfer model of angiogenesis in rat mesentery. <i>Microcirculation</i> , 2004 , 11, 361-75	2.9	21
77	Therapeutic potential of inhibitory VEGF splice variants. <i>Future Oncology</i> , 2005 , 1, 467-73	3.6	20
76	The control of alternative splicing by SRSF1 in myelinated afferents contributes to the development of neuropathic pain. <i>Neurobiology of Disease</i> , 2016 , 96, 186-200	7.5	20
75	Prediction of melanoma metastasis by the Shields index based on lymphatic vessel density. <i>BMC Cancer</i> , 2010 , 10, 208	4.8	19

74	Subcutaneous interstitial fluid pressure and arm volume in lymphoedema. <i>International Journal of Microcirculation, Clinical and Experimental</i> , 1992 , 11, 359-73		19
73	Balance of pro- versus anti-angiogenic splice isoforms of vascular endothelial growth factor as a regulator of neuroblastoma growth. <i>Journal of Pathology</i> , 2010 , 222, 138-47	9.4	18
72	Measurement of hydraulic conductivity of single perfused Rana mesenteric microvessels between periods of controlled shear stress. <i>Journal of Physiology</i> , 2002 , 543, 947-57	3.9	18
71	Sensory neuronal sensitisation occurs through HMGB-1-RAGE and TRPV1 in high-glucose conditions. <i>Journal of Cell Science</i> , 2018 , 131,	5.3	18
70	Endothelial permeability in uremia. <i>Kidney International</i> , 2003 , S41-4	9.9	17
69	Awareness and Use of the After-Visit Summary Through a Patient Portal: Evaluation of Patient Characteristics and an Application of the Theory of Planned Behavior. <i>Journal of Medical Internet Research</i> , 2016 , 18, e77	7.6	17
68	Altered ratios of pro- and anti-angiogenic VEGF-A variants and pericyte expression of DLL4 disrupt vascular maturation in infantile haemangioma. <i>Journal of Pathology</i> , 2016 , 239, 139-51	9.4	17
67	Can the co-dependence of the immune system and angiogenesis facilitate pharmacological targeting of tumours?. <i>Current Opinion in Pharmacology</i> , 2017 , 35, 66-74	5.1	16
66	The carboxyl terminus of VEGF-A is a potential target for anti-angiogenic therapy. <i>Angiogenesis</i> , 2015 , 18, 23-30	10.6	16
65	Diabetes-induced microvascular complications at the level of the spinal cord: a contributing factor in diabetic neuropathic pain. <i>Journal of Physiology</i> , 2018 , 596, 3675-3693	3.9	16
64	Non-canonical Wnt signalling regulates scarring in biliary disease via the planar cell polarity receptors. <i>Nature Communications</i> , 2020 , 11, 445	17.4	15
63	Physiological Role of Vascular Endothelial Growth Factors as Homeostatic Regulators. <i>Comprehensive Physiology</i> , 2018 , 8, 955-979	7.7	15
62	Regulation of human feto-placental endothelial barrier integrity by vascular endothelial growth factors: competitive interplay between VEGF-Aa, VEGF-Ab, PlGF and VE-cadherin. <i>Clinical Science</i> , 2017 , 131, 2763-2775	6.5	14
61	Effects of hypoxia and hyperoxia on the differential expression of VEGF-A isoforms and receptors in Idiopathic Pulmonary Fibrosis (IPF). <i>Respiratory Research</i> , 2018 , 19, 9	7.3	14
60	An interstitial hypothesis for breast cancer related lymphoedema. <i>Pathophysiology</i> , 2010 , 17, 289-94	1.8	14
59	Novel hemodynamic structures in the human glomerulus. <i>American Journal of Physiology - Renal Physiology</i> , 2018 , 315, F1370-F1384	4.3	13
58	Lymphoedema in urological cancer. <i>European Urology</i> , 2004 , 45, 18-25	10.2	13
57	Plasma from women with severe pre-eclampsia increases microvascular permeability in an animal model in vivo. <i>Clinical Science</i> , 2004 , 107, 399-405	6.5	13

56	Sulfated Galactans from Red Seaweed <i>Gracilaria fisheri</i> Target EGFR and Inhibit Cholangiocarcinoma Cell Proliferation. <i>The American Journal of Chinese Medicine</i> , 2017 , 45, 615-633	6	12
55	Activation of Notch signaling by soluble DLL4 decreases vascular permeability via a cAMP/PKA-dependent pathway. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 316, H1065-H1075	5.2	12
54	Differential regulation of blood flow-induced neovascularization and mural cell recruitment by vascular endothelial growth factor and angiopoietin signalling. <i>Journal of Physiology</i> , 2017 , 595, 1575-1591	3.9	12
53	TNF- α -Induced ICAM-1 expression and monocyte adhesion in human RPE cells is mediated in part through autocrine VEGF stimulation. <i>Molecular Vision</i> , 2014 , 20, 781-9	2.3	12
52	Sulfated galactans from the red seaweed <i>Gracilaria fisheri</i> exerts anti-migration effect on cholangiocarcinoma cells. <i>Phytomedicine</i> , 2017 , 36, 59-67	6.5	11
51	VEGF-A b protects against proteinuria in a mouse model with progressive depletion of all endogenous VEGF-A splice isoforms from the kidney. <i>Journal of Physiology</i> , 2017 , 595, 6281-6298	3.9	11
50	Splicing factor polymorphisms, the control of VEGF isoforms and association with angiogenic eye disease. <i>Current Eye Research</i> , 2011 , 36, 328-35	2.9	11
49	Structural assessment of SARS-CoV2 accessory protein ORF7a predicts LFA-1 and Mac-1 binding potential. <i>Bioscience Reports</i> , 2021 , 41,	4.1	11
48	Cytosolic Ca ²⁺ concentration and rate of increase of the cytosolic Ca ²⁺ concentration in the regulation of vascular permeability in <i>Rana</i> in vivo. <i>Journal of Physiology</i> , 2005 , 564, 817-27	3.9	10
47	The Effect of Hosiery on Interstitial Fluid Pressure and Arm Volume Fluctuations in Breast Cancer Related Arm Oedema. <i>Phlebology</i> , 1995 , 10, 46-50	2	10
46	Phenotypic and functional translation of IL33 genetics in asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 144-157	11.5	10
45	Hyperglycemia stimulates a sustained increase in hydraulic conductivity in vivo without any change in reflection coefficient. <i>Microcirculation</i> , 2007 , 14, 683-96	2.9	9
44	Novel mechanisms of resistance to vemurafenib in melanoma - V600E B-Raf reversion and switching VEGF-A splice isoform expression. <i>American Journal of Cancer Research</i> , 2015 , 5, 433-41	4.4	9
43	The role of VEGF-A165b in trophoblast survival. <i>BMC Pregnancy and Childbirth</i> , 2014 , 14, 278	3.2	8
42	Regulation of microvascular permeability by vascular endothelial growth factors. <i>Journal of Anatomy</i> , 2002 , 200, 523-534	2.9	8
41	Blocking endothelial apoptosis revascularizes the retina in a model of ischemic retinopathy. <i>Journal of Clinical Investigation</i> , 2020 , 130, 4235-4251	15.9	8
40	Who adopts a patient portal?: An application of the diffusion of innovation model. <i>BMJ Health and Care Informatics</i> , 2018 , 25, 149-157	2.6	8
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