

David O Bates

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9503353/publications.pdf>

Version: 2024-02-01

206
papers

13,355
citations

18482
62
h-index

26613
107
g-index

208
all docs

208
docs citations

208
times ranked

14483
citing authors

#	ARTICLE	IF	CITATIONS
1	Hallmarks of alternative splicing in cancer. <i>Oncogene</i> , 2014, 33, 5311-5318.	5.9	569
2	VEGF-A splicing: the key to anti-angiogenic therapeutics?. <i>Nature Reviews Cancer</i> , 2008, 8, 880-887.	28.4	440
3	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.	0.9	436
4	Consensus guidelines for the use and interpretation of angiogenesis assays. <i>Angiogenesis</i> , 2018, 21, 425-532.	7.2	429
5	VEGF165b, an Inhibitory Vascular Endothelial Growth Factor Splice Variant. <i>Cancer Research</i> , 2004, 64, 7822-7835.	0.9	416
6	Vascular endothelial growth factors and vascular permeability. <i>Cardiovascular Research</i> , 2010, 87, 262-271.	3.8	377
7	A Research Agenda for Personal Health Records (PHRs). <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2008, 15, 729-736.	4.4	343
8	Regulation of vascular permeability by vascular endothelial growth factors. <i>Vascular Pharmacology</i> , 2002, 39, 225-237.	2.1	308
9	The Digital Divide in Adoption and Use of a Personal Health Record. <i>Archives of Internal Medicine</i> , 2011, 171, 568-74.	3.8	303
10	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, 3487-3495.	2.0	290
11	Regulation of microvascular permeability by vascular endothelial growth factors*. <i>Journal of Anatomy</i> , 2002, 200, 581-597.	1.5	225
12	WT1 Mutants Reveal SRPK1 to Be a Downstream Angiogenesis Target by Altering VEGF Splicing. <i>Cancer Cell</i> , 2011, 20, 768-780.	16.8	216
13	Loss of the Endothelial Glycocalyx Links Albuminuria and Vascular Dysfunction. <i>Journal of the American Society of Nephrology: JASN</i> , 2012, 23, 1339-1350.	6.1	206
14	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, 2422-2427.	6.3	200
15	VEGF165b, 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, 1366-1379.	6.4	185
16	Cervical cancer in low and middle-income countries (Review). <i>Oncology Letters</i> , 2020, 20, 2058-2074.	1.8	185
17	Regulation of Vascular Endothelial Growth Factor (VEGF) Splicing from Pro-angiogenic to Anti-angiogenic Isoforms. <i>Journal of Biological Chemistry</i> , 2010, 285, 5532-5540.	3.4	183
18	An antiangiogenic isoform of VEGF-A contributes to impaired vascularization in peripheral artery disease. <i>Nature Medicine</i> , 2014, 20, 1464-1471.	30.7	164

#	ARTICLE	IF	CITATIONS
19	Functional evidence that vascular endothelial growth factor may act as an autocrine factor on human podocytes. American Journal of Physiology - Renal Physiology, 2003, 284, F1263-F1273.	2.7	162
20	Chemokine-mediated migration of melanoma cells towards lymphatics â€” a mechanism contributing to metastasis. Oncogene, 2007, 26, 2997-3005.	5.9	150
21	Vascular Endothelial Growth Factor (VEGF)-A165b Is a Weak <i>In vitro</i> Agonist for VEGF Receptor-2 Due to Lack of Coreceptor Binding and Deficient Regulation of Kinase Activity. Cancer Research, 2008, 68, 4683-4692.	0.9	147
22	Lymphatic density and metastatic spread in human malignant melanoma. British Journal of Cancer, 2004, 90, 693-700.	6.4	145
23	IL-10 regulation of macrophage VEGF production is dependent on macrophage polarisation and hypoxia. Immunobiology, 2010, 215, 796-803.	1.9	139
24	VEGFâ€”Mediated Elevated Intracellular Calcium and Angiogenesis in Human Microvascular Endothelial Cells <i>In Vitro</i> are Inhibited by Dominant Negative TRPC6. Microcirculation, 2008, 15, 605-614.	1.8	137
25	Vascular Endothelial Growth Factor and Microvascular Permeability. Microcirculation, 1999, 6, 83-96.	1.8	125
26	Serineâ€”arginine protein kinase 1 (SRPK1) inhibition as a potential novel targeted therapeutic strategy in prostate cancer. Oncogene, 2015, 34, 4311-4319.	5.9	122
27	The endogenous anti-angiogenic VEGF isoform, VEGF165b inhibits human tumour growth in mice. British Journal of Cancer, 2008, 98, 1250-1257.	6.4	120
28	Expression of VEGFxxx, the inhibitory isoforms of VEGF, in malignant melanoma. British Journal of Cancer, 2007, 97, 223-230.	6.4	119
29	Alternative splicing in angiogenesis: The vascular endothelial growth factor paradigm. Cancer Letters, 2007, 249, 133-142.	7.2	119
30	Molecular Diversity of VEGF-A as a Regulator of Its Biological Activity. Microcirculation, 2009, 16, 572-592.	1.8	119
31	Vascular Endothelial Growth Factor-A165b Is Protective and Restores Endothelial Glycocalyx in Diabetic Nephropathy. Journal of the American Society of Nephrology: JASN, 2015, 26, 1889-1904.	6.1	112
32	Nephrotic Plasma Alters Slit Diaphragmâ€”Dependent Signaling and Translocates Nephrin, Podocin, and CD2 Associated Protein in Cultured Human Podocytes. Journal of the American Society of Nephrology: JASN, 2005, 16, 629-637.	6.1	108
33	Patient Perceptions of a Personal Health Record: A Test of the Diffusion of Innovation Model. Journal of Medical Internet Research, 2012, 14, e150.	4.3	107
34	Vascular endothelial growth factor and nephrin interact and reduce apoptosis in human podocytes. American Journal of Physiology - Renal Physiology, 2005, 288, F48-F57.	2.7	106
35	VEGF Activates Receptor-Operated Cation Channels in Human Microvascular Endothelial Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 1768-1776.	2.4	104
36	The Role of Vascular Endothelial Growth Factor in Wound Healing. International Journal of Lower Extremity Wounds, 2003, 2, 107-120.	1.1	101

#	ARTICLE	IF	CITATIONS
37	Evidence of a role for TRPC channels in VEGF-mediated increased vascular permeability in vivo. American Journal of Physiology - Heart and Circulatory Physiology, 2004, 286, H1015-H1026.	3.2	99
38	An FBXW7-ZEB2 axis links EMT and tumour microenvironment to promote colorectal cancer stem cells and chemoresistance. Oncogenesis, 2019, 8, 13.	4.9	99
39	VEGF-A165b Is an Endogenous Neuroprotective Splice Isoform of Vascular Endothelial Growth Factor A in Vivo and in Vitro. American Journal of Pathology, 2013, 183, 918-929.	3.8	98
40	Sialic acids regulate microvessel permeability, revealed by novel <i>in vivo</i> studies of endothelial glycocalyx structure and function. Journal of Physiology, 2017, 595, 5015-5035.	2.9	98
41	VEGF165b, an endogenous C-terminal splice variant of VEGF, inhibits retinal neovascularization in mice. Molecular Vision, 2006, 12, 626-32.	1.1	98
42	Targeting SRPK1 to control VEGF-mediated tumour angiogenesis in metastatic melanoma. British Journal of Cancer, 2014, 111, 477-485.	6.4	97
43	The anti-angiogenic isoforms of VEGF in health and disease. Biochemical Society Transactions, 2009, 37, 1207-1213.	3.4	96
44	Vascular endothelial growth factor increases hydraulic conductivity of isolated perfused microvessels. American Journal of Physiology - Heart and Circulatory Physiology, 1996, 271, H2520-H2528.	3.2	85
45	Differentiated human podocytes endogenously express an inhibitory isoform of vascular endothelial growth factor (VEGF _{165b}) mRNA and protein. American Journal of Physiology - Renal Physiology, 2004, 286, F767-F773.	2.7	85
46	Three-Dimensional Reconstruction of Glomeruli by Electron Microscopy Reveals a Distinct Restrictive Urinary Subpodocyte Space. Journal of the American Society of Nephrology: JASN, 2005, 16, 1223-1235.	6.1	84
47	The Sialomucin CD34 Is a Marker of Lymphatic Endothelial Cells in Human Tumors. American Journal of Pathology, 2006, 168, 1045-1053.	3.8	81
48	Vascular endothelial growth factor increases microvascular permeability via a Ca(2+)-dependent pathway. American Journal of Physiology - Heart and Circulatory Physiology, 1997, 273, H687-H694.	3.2	80
49	ZM323881, a Novel Inhibitor of Vascular Endothelial Growth Factor-Receptor-2 Tyrosine Kinase Activity. Microcirculation, 2002, 9, 513-522.	1.8	80
50	Angiopoietin-1 alters microvascular permeability coefficients in vivo via modification of endothelial glycocalyx. Cardiovascular Research, 2009, 83, 24-33.	3.8	80
51	Development of Potent, Selective SRPK1 Inhibitors as Potential Topical Therapeutics for Neovascular Eye Disease. ACS Chemical Biology, 2017, 12, 825-832.	3.4	78
52	The mutant p53-MDM4 complex controls VEGFA isoforms by recruiting lncRNA MALAT1. EMBO Reports, 2017, 18, 1331-1351.	4.5	78
53	Alternative splicing of TIA-1 in human colon cancer regulates VEGF isoform expression, angiogenesis, tumour growth and bevacizumab resistance. Molecular Oncology, 2015, 9, 167-178.	4.6	76
54	Intravital video-capillaroscopy for the study of the microcirculation in psoriasis. British Journal of Dermatology, 1992, 126, 436-445.	1.5	75

#	ARTICLE	IF	CITATIONS
55	Recombinant human VEGF165b protein is an effective anti-cancer agent in mice. European Journal of Cancer, 2008, 44, 1883-1894.	2.8	73
56	Pharmacology of Modulators of Alternative Splicing. Pharmacological Reviews, 2017, 69, 63-79.	16.0	72
57	VEGF-A ₁₆₅ Is Cytoprotective and Antiangiogenic in the Retina. , 2010, 51, 4273.		71
58	Association between VEGF Splice Isoforms and Progression-Free Survival in Metastatic Colorectal Cancer Patients Treated with Bevacizumab. Clinical Cancer Research, 2012, 18, 6384-6391.	7.0	69
59	The Alternatively Spliced Anti-Angiogenic Family of VEGF Isoforms VEGF _{165b} in Human Kidney Development. Nephron Physiology, 2008, 110, p57-p67.	1.2	68
60	Topical Antiangiogenic SRPK1 Inhibitors Reduce Choroidal Neovascularization in Rodent Models of Exudative AMD. , 2013, 54, 6052.		67
61	LGR5 regulates pro-survival MEK/ERK and proliferative Wnt/ β -catenin signalling in neuroblastoma. Oncotarget, 2015, 6, 40053-40067.	1.8	67
62	Change in Macro Molecular Composition of Interstitial Fluid from Swollen Arms after Breast Cancer Treatment, and Its Implications. Clinical Science, 1993, 85, 737-746.	4.3	66
63	Antiangiogenic Actions of Vascular Endothelial Growth Factor-A ₁₆₅ b, an Inhibitory Isoform of Vascular Endothelial Growth Factor-A, in Human Obesity. Circulation, 2014, 130, 1072-1080.	1.6	65
64	Regulation of alternative VEGF-A mRNA splicing is a therapeutic target for analgesia. Neurobiology of Disease, 2014, 71, 245-259.	4.4	65
65	Critical Role of Tissue Kallikrein in Vessel Formation and Maturation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2009, 29, 657-664.	2.4	64
66	VEGF and Angiopoietin β 1 Stimulate Different Angiogenic Phenotypes That Combine to Enhance Functional Neovascularization in Adult Tissue. Microcirculation, 2006, 13, 423-437.	1.8	63
67	Evidence for restriction of fluid and solute movement across the glomerular capillary wall by the subpodocyte space. American Journal of Physiology - Renal Physiology, 2007, 293, F1777-F1786.	2.7	63
68	VEGF-C induced angiogenesis preferentially occurs at a distance from lymphangiogenesis. Cardiovascular Research, 2008, 78, 315-323.	3.8	63
69	Recombinant Human VEGF ₁₆₅ b Inhibits Experimental Choroidal Neovascularization. , 2010, 51, 4282.		62
70	The endogenous anti-angiogenic family of splice variants of VEGF, VEGF _{xxx} b, are down-regulated in pre-eclamptic placentae at term. Clinical Science, 2006, 110, 575-585.	4.3	61
71	Mammary alveolar development during lactation is inhibited by the endogenous antiangiogenic growth factor isoform, VEGF ₁₆₅ b. FASEB Journal, 2008, 22, 1104-1112.	0.5	61
72	A Role for the Endothelial Glycocalyx in Regulating Microvascular Permeability in Diabetes Mellitus. Cell Biochemistry and Biophysics, 2007, 49, 65-72.	1.8	60

#	ARTICLE	IF	CITATIONS
73	SRPK1 maintains acute myeloid leukemia through effects on isoform usage of epigenetic regulators including BRD4. <i>Nature Communications</i> , 2018, 9, 5378.	12.8	60
74	Differential Expression of VEGF-A_{xxx} Isoforms Is Critical for Development of Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 479-493.	5.6	58
75	Starling pressures in the human arm and their alteration in postmastectomy oedema.. <i>Journal of Physiology</i> , 1994, 477, 355-363.	2.9	57
76	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, 1143-1150.	2.4	57
77	A TRPC-like non-selective cation current activated by $\hat{1}$ -adrenoceptors in rat mesenteric artery smooth muscle cells. <i>Cell Calcium</i> , 2006, 40, 29-40.	2.4	54
78	Glomerular filtration into the subpodocyte space is highly restricted under physiological perfusion conditions. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 293, F1787-F1798.	2.7	54
79	Failure to up-regulate VEGF165b in maternal plasma is a first trimester predictive marker for pre-eclampsia. <i>Clinical Science</i> , 2009, 116, 265-272.	4.3	53
80	Intravital video-capillaroscopy for the study of the microcirculation in psoriasis. <i>British Journal of Dermatology</i> , 1992, 126, 436-445.	1.5	51
81	Vascular endothelial growth factor increases Rana vascular permeability and compliance by different signalling pathways. <i>Journal of Physiology</i> , 2001, 533, 263-272.	2.9	51
82	Vascular endothelial growth factor-A165b prevents diabetic neuropathic pain and sensory neuronal degeneration. <i>Clinical Science</i> , 2015, 129, 741-756.	4.3	50
83	Detection of VEGF-Axxx Isoforms in Human Tissues. <i>PLoS ONE</i> , 2013, 8, e68399.	2.5	49
84	VEGF-C promotes survival in podocytes. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F196-F207.	2.7	48
85	Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. <i>Journal of Clinical Investigation</i> , 2020, 130, 2301-2318.	8.2	48
86	Regulation of vascular endothelial growth factor in prostate cancer. <i>Endocrine-Related Cancer</i> , 2015, 22, R107-R123.	3.1	47
87	VEGFC Reduces Glomerular Albumin Permeability and Protects Against Alterations in VEGF Receptor Expression in Diabetic Nephropathy. <i>Diabetes</i> , 2019, 68, 172-187.	0.6	47
88	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-H1634.	3.2	45
89	SRPK1 inhibition <i>in vivo</i> : modulation of VEGF splicing and potential treatment for multiple diseases. <i>Biochemical Society Transactions</i> , 2012, 40, 831-835.	3.4	45
90	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, 176-186.	1.4	44

#	ARTICLE	IF	CITATIONS
91	Vascular endothelial growth factor as a survival factor for human islets: effect of immunosuppressive drugs. <i>Diabetologia</i> , 2007, 50, 1423-1432.	6.3	44
92	The chronic effect of vascular endothelial growth factor on individually perfused frog mesenteric microvessels. <i>Journal of Physiology</i> , 1998, 513, 225-233.	2.9	43
93	The anti-angiogenic VEGF isoform VEGF165b transiently increases hydraulic conductivity, probably through VEGF receptor 1 in vivo. <i>Journal of Physiology</i> , 2006, 572, 243-257.	2.9	43
94	VEGF121b, a new member of the VEGFxxx family of VEGF-A splice isoforms, inhibits neovascularisation and tumour growth in vivo. <i>British Journal of Cancer</i> , 2009, 101, 1183-1193.	6.4	43
95	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, 1462-1468.	2.4	41
96	Human uremic plasma increases microvascular permeability to water and proteins in vivo. <i>Kidney International</i> , 2002, 61, 1416-1422.	5.2	40
97	Overexpression of VEGF165b in Podocytes Reduces Glomerular Permeability. <i>Journal of the American Society of Nephrology: JASN</i> , 2010, 21, 1498-1509.	6.1	39
98	3D Reconstruction of the Glycocalyx Structure in Mammalian Capillaries using Electron Tomography. <i>Microcirculation</i> , 2012, 19, 343-351.	1.8	39
99	SRPK1 Inhibition Modulates VEGF Splicing to Reduce Pathological Neovascularization in a Rat Model of Retinopathy of Prematurity. , 2013, 54, 5797.		39
100	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.	7.1	39
101	Vascular Endothelial Growth Factor and Microvascular Permeability. <i>Microcirculation</i> , 1999, 6, 83-96.	1.8	39
102	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, 938-948.	3.8	38
103	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, 384-390.	2.4	36
104	CCR7 Mediates Directed Growth of Melanomas Towards Lymphatics. <i>Microcirculation</i> , 2011, 18, 172-182.	1.8	36
105	Vascular endothelial growth factor-A165b ameliorates outer-retinal barrier and vascular dysfunction in the diabetic retina. <i>Clinical Science</i> , 2017, 131, 1225-1243.	4.3	36
106	In vivomechanisms of vascular endothelial growth factor-mediated increased hydraulic conductivity ofRanacapillaries. <i>Journal of Physiology</i> , 2001, 534, 479-488.	2.9	35
107	An unexpected tail of VEGF and PlGF in pre-eclampsia. <i>Biochemical Society Transactions</i> , 2011, 39, 1576-1582.	3.4	35
108	VEGF in the lung: a role for novel isoforms. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 298, L768-L774.	2.9	34

#	ARTICLE	IF	CITATIONS
109	IL-4 Regulates Specific Arg-1+ Macrophage sFlt-1-Mediated Inhibition of Angiogenesis. American Journal of Pathology, 2015, 185, 2324-2335.	3.8	33
110	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) Tj ETQq0 0,0rgBT /Overlock 10 2018, 38, 2117-2125.	2.4	32
111	Ovarian VEGF165b expression regulates follicular development, corpus luteum function and fertility. Reproduction, 2012, 143, 501-511.	2.6	31
112	Sensory neuronal sensitisation occurs through HMGB-1/ RAGE and TRPV1 in high glucose conditions. Journal of Cell Science, 2018, 131, .	2.0	31
113	Non-canonical Wnt signalling regulates scarring in biliary disease via the planar cell polarity receptors. Nature Communications, 2020, 11, 445.	12.8	31
114	Quantification of rate and depth of pitting in human edema using an electronic tonometer. Lymphology, 1994, 27, 159-72.	0.2	31
115	Vascular endothelial growth factor increases the ultrafiltration coefficient in isolated intact Wistar rat glomeruli. Journal of Physiology, 2006, 570, 141-156.	2.9	29
116	A Human Neutralizing Antibody Specific to Angâ€2 Inhibits Ocular Angiogenesis. Microcirculation, 2011, 18, 598-607.	1.8	29
117	Phenotypic and functional translation of IL33 genetics in asthma. Journal of Allergy and Clinical Immunology, 2021, 147, 144-157.	2.9	29
118	Vascular endothelial growth factor and microvascular permeability. Microcirculation, 1999, 6, 83-96.	1.8	29
119	The control of alternative splicing by SRSF1 in myelinated afferents contributes to the development of neuropathic pain. Neurobiology of Disease, 2016, 96, 186-200.	4.4	28
120	Regulation of human feto-placental endothelial barrier integrity by vascular endothelial growth factors: competitive interplay between VEGF-A165a, VEGF-A165b, PlGF and VE-cadherin. Clinical Science, 2017, 131, 2763-2775.	4.3	28
121	Effects of hypoxia and hyperoxia on the differential expression of VEGF-A isoforms and receptors in Idiopathic Pulmonary Fibrosis (IPF). Respiratory Research, 2018, 19, 9.	3.6	28
122	Vascular Endothelial Growth Factorâ€C (VEGF-C) Expression in Normal Human Tissues. Lymphatic Research and Biology, 2006, 4, 73-82.	1.1	26
123	Impaired vascular permeability regulation caused by the VEGF165b splice variant in pre-eclampsia. BJOG: an International Journal of Obstetrics and Gynaecology, 2011, 118, 1253-1261.	2.3	26
124	Diabetesâ€in-induced microvascular complications at the level of the spinal cord: a contributing factor in diabetic neuropathic pain. Journal of Physiology, 2018, 596, 3675-3693.	2.9	26
125	Therapeutic potential of manipulating VEGF splice isoforms in oncology. Future Oncology, 2009, 5, 703-712.	2.4	25
126	Borrelidin modulates the alternative splicing of VEGF in favour of anti-angiogenic isoforms. Chemical Science, 2011, 2, 273-278.	7.4	25

#	ARTICLE	IF	CITATIONS
127	Novel hemodynamic structures in the human glomerulus. American Journal of Physiology - Renal Physiology, 2018, 315, F1370-F1384.	2.7	25
128	Physiological Role of Vascular Endothelial Growth Factors as Homeostatic Regulators. , 2018, 8, 955-979.		24
129	Chemotrap-1: An Engineered Soluble Receptor That Blocks Chemokine-Induced Migration of Metastatic Cancer Cells In vivo. Cancer Research, 2010, 70, 8138-8148.	0.9	23
130	VEGF ₁₆₅ overexpression restores normal glomerular water permeability in VEGF ₁₆₄ -overexpressing adult mice. American Journal of Physiology - Renal Physiology, 2012, 303, F1026-F1036.	2.7	23
131	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. Journal of Medical Internet Research, 2016, 18, e77.	4.3	23
132	Endothelial permeability in uremia. Kidney International, 2003, 63, S41-S44.	5.2	22
133	An Adenovirus-Mediated Gene-Transfer Model of Angiogenesis in Rat Mesentery. Microcirculation, 2004, 11, 361-375.	1.8	22
134	Prediction of melanoma metastasis by the Shields index based on lymphatic vessel density. BMC Cancer, 2010, 10, 208.	2.6	22
135	Altered ratios of pro- and anti-angiogenic VEGF-A variants and pericyte expression of DLL4 disrupt vascular maturation in infantile haemangioma. Journal of Pathology, 2016, 239, 139-151.	4.5	22
136	Can the co-dependence of the immune system and angiogenesis facilitate pharmacological targeting of tumours?. Current Opinion in Pharmacology, 2017, 35, 66-74.	3.5	22
137	Subcutaneous interstitial fluid pressure and arm volume in lymphoedema. International Journal of Microcirculation, Clinical and Experimental, 1992, 11, 359-73.	0.5	22
138	Therapeutic potential of inhibitory VEGF splice variants. Future Oncology, 2005, 1, 467-473.	2.4	21
139	Balance of pro- versus anti-angiogenic splice isoforms of vascular endothelial growth factor as a regulator of neuroblastoma growth. Journal of Pathology, 2010, 222, 138-147.	4.5	21
140	Sulfated galactans from the red seaweed Gracilaria fisheri exerts anti-migration effect on cholangiocarcinoma cells. Phytomedicine, 2017, 36, 59-67.	5.3	20
141	Structural assessment of SARS-CoV2 accessory protein ORF7a predicts LFA-1 and Mac-1 binding potential. Bioscience Reports, 2021, 41, .	2.4	20
142	Measurement of Hydraulic Conductivity of Single Perfused Rana Mesenteric Microvessels between Periods of Controlled Shear Stress. Journal of Physiology, 2002, 543, 947-957.	2.9	19
143	Lymphoedema in Urological Cancer. European Urology, 2004, 45, 18-25.	1.9	19
144	The carboxyl terminus of VEGF-A is a potential target for anti-angiogenic therapy. Angiogenesis, 2015, 18, 23-30.	7.2	19

#	ARTICLE	IF	CITATIONS
145	Perceptions of adopters versus non-adopters of a patient portal: an application of diffusion of innovation theory. <i>BMJ Health and Care Informatics</i> , 2018, 25, 149-157.	3.0	19
146	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.	3.2	18
147	An interstitial hypothesis for breast cancer related lymphoedema. <i>Pathophysiology</i> , 2010, 17, 289-294.	2.2	17
148	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.	3.8	15
149	VEGF ¹⁶⁵ protects against proteinuria in a mouse model with progressive depletion of all endogenous VEGF splice isoforms from the kidney. <i>Journal of Physiology</i> , 2017, 595, 6281-6298.	2.9	15
150	Blocking endothelial apoptosis revascularizes the retina in a model of ischemic retinopathy. <i>Journal of Clinical Investigation</i> , 2020, 130, 4235-4251.	8.2	15
151	Plasma from women with severe pre-eclampsia increases microvascular permeability in an animal model in vivo. <i>Clinical Science</i> , 2004, 107, 399-405.	4.3	14
152	Splicing Factor Polymorphisms, the Control of VEGF Isoforms and Association with Angiogenic Eye Disease. <i>Current Eye Research</i> , 2011, 36, 328-335.	1.5	14
153	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.	2.9	14
154	Hyperglycemia Stimulates a Sustained Increase in Hydraulic Conductivity In Vivo without Any Change in Reflection Coefficient. <i>Microcirculation</i> , 2007, 14, 683-696.	1.8	13
155	Non-invasive measurement of retinal permeability in a diabetic rat model. <i>Microcirculation</i> , 2020, 27, e12623.	1.8	12
156	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.	1.1	12
157	Regulation of microvascular permeability by vascular endothelial growth factors. <i>Journal of Anatomy</i> , 2002, 200, 523-534.	1.5	11
158	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.	1.2	10
159	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, 817-827.	2.9	10
160	The role of VEGF-A165b in trophoblast survival. <i>BMC Pregnancy and Childbirth</i> , 2014, 14, 278.	2.4	9
161	Models of Oxygen Induced Retinopathy in Rodents. <i>Methods in Molecular Biology</i> , 2016, 1430, 317-332.	0.9	9
162	Effect of Combining EGFR Tyrosine Kinase Inhibitors and Cytotoxic Agents on Cholangiocarcinoma Cells. <i>Cancer Research and Treatment</i> , 2021, 53, 457-470.	3.0	9

#	ARTICLE	IF	CITATIONS
163	A multinational review: Oesophageal cancer in low to middle-income countries (Review). <i>Oncology Letters</i> , 2020, 20, 42.	1.8	9
164	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.	1.4	9
165	Functional distinctions in cytosolic calcium regulation between cells of the glomerular filtration barrier. <i>Cell Calcium</i> , 2010, 48, 44-53.	2.4	8
166	Hypoxia-induced carbonic anhydrase mediated dorsal horn neuron activation and induction of neuropathic pain. <i>Pain</i> , 2022, 163, 2264-2279.	4.2	8
167	Direct detection and measurement of wall shear stress using a filamentous bio-nanoparticle. <i>Nano Research</i> , 2015, 8, 3307-3315.	10.4	7
168	Co-Clinical Trials: An Innovative Drug Development Platform for Cholangiocarcinoma. <i>Pharmaceuticals</i> , 2021, 14, 51.	3.8	7
169	The role of endothelial cell Ca ²⁺ store release in the regulation of microvascular permeability <i>in vivo</i> . <i>Experimental Physiology</i> , 2004, 89, 343-351.	2.0	6
170	Enhanced notch signaling modulates unproductive revascularization in response to nitric oxide-angiopoietin signaling in a mouse model of peripheral ischemia. <i>Microcirculation</i> , 2019, 26, e12549.	1.8	6
171	Hydrogen Sulfide Is a Novel Protector of the Retinal Glycocalyx and Endothelial Permeability Barrier. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 724905.	3.7	6
172	Circulating levels of anti-angiogenic VEGF-A isoform (VEGF-A _{xxx}) in colorectal cancer patients predicts tumour VEGF-A ratios. <i>American Journal of Cancer Research</i> , 2015, 5, 2083-9.	1.4	6
173	Serine-arginine-rich protein kinase-1 inhibition for the treatment of diabetic retinopathy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2022, 322, H1014-H1027.	3.2	6
174	Pre-eclampsia and the microcirculation: a novel explanation. <i>Clinical Science</i> , 2003, 104, 413-414.	4.3	5
175	Vascular Endothelial Growth Factor-A ₁₆₅ Restores Normal Glomerular Water Permeability in a Diphtheria-Toxin Mouse Model of Glomerular Injury. <i>Nephron</i> , 2018, 139, 51-62.	1.8	5
176	The VEGF-A exon 8 splicing-sensitive fluorescent reporter mouse is a novel tool to assess the effects of splicing regulatory compounds <i>in vivo</i> . <i>RNA Biology</i> , 2019, 16, 1672-1681.	3.1	5
177	A drug-repositioning screen using splicing-sensitive fluorescent reporters identifies novel modulators of VEGF-A splicing with anti-angiogenic properties. <i>Oncogenesis</i> , 2021, 10, 36.	4.9	5
178	The intersection of big data and epidemiology for epidemiologic research: The impact of the COVID-19 pandemic. <i>International Journal for Quality in Health Care</i> , 2021, 33, .	1.8	5
179	Transient Osmotic Absorption of Fluid in Microvessels Exposed to Low Concentrations of Dimethyl Sulfoxide. <i>Microcirculation</i> , 2006, 13, 29-40.	1.8	4
180	Role of endothelial Ca ²⁺ stores in the regulation of hydraulic conductivity of Rana microvessels <i>in vivo</i> . <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2003, 284, H1468-H1478.	3.2	3

#	ARTICLE	IF	CITATIONS
181	Measurement of Angiogenic Phenotype by Use of a Two Dimensional Mesenteric Angiogenesis Assay. Methods in Molecular Biology, 2009, 467, 251-270.	0.9	3
182	Splice factor regulation of alternative splicing of VEGF isoform families. FASEB Journal, 2006, 20, A539.	0.5	3
183	Inhibition of serine/arginine-rich protein kinase-1 (SRPK1) prevents cholangiocarcinoma cells induced angiogenesis. Toxicology in Vitro, 2022, 82, 105385.	2.4	3
184	Glomerular Filtration Barrier and Molecular Segregation: Guilty as Charged?. Journal of the American Society of Nephrology: JASN, 2010, 21, 2009-2011.	6.1	2
185	Measurement of Angiogenesis, Arteriogenesis, and Lymphangiogenesis Phenotypes by Use of Two-Dimensional Mesenteric Angiogenesis Assay. Methods in Molecular Biology, 2016, 1430, 345-354.	0.9	2
186	South African Herbal Extracts as Potential Chemopreventive Agents: Screening for Anticancer Splicing Activity. Methods in Molecular Biology, 2016, 1379, 201-211.	0.9	2
187	Insulin-like Growth Factor-1 regulates alternative splicing of angiogenic and anti-angiogenic VEGF isoforms. FASEB Journal, 2006, 20, A538.	0.5	2
188	PC18 PERITUMOUR LYMPHATIC DENSITY (LD) IN METASTATIC MALIGNANT MELANOMA LIES WITHIN THE RANGE OF SUPERFICIAL DERMAL LD IN NORMAL HUMAN SKIN. Microcirculation, 2004, 11, 544-545.	1.8	1
189	Assay limitations of osmotic reflection coefficient of isolated mouse glomeruli ex vivo.. FASEB Journal, 2009, 23, 804.20.	0.5	1
190	Overexpression of VEGF165b in mouse ovary results in reduced litter size. FASEB Journal, 2009, 23, 592.17.	0.5	1
191	Medication Use for Childhood Pneumonia at a Children's Hospital in Shanghai, China: Analysis of Pattern Mining Algorithms. JMIR Medical Informatics, 2019, 7, e12577.	2.6	1
192	Extended lifespan of bronchial epithelial cells maintains normal cellular phenotype and transcriptome integrity. ERJ Open Research, 2021, 7, 00254-2020.	2.6	0
193	Glucose is the component of diabetic plasma that increases vascular permeability. FASEB Journal, 2006, 20, A706.	0.5	0
194	Expression of VEGF _{xxx} - the inhibitory isoforms of VEGF, in human and rat tissues. FASEB Journal, 2006, 20, .	0.5	0
195	Podocyte specific overexpression of VEGF-165 b, unlike VEGF-165, does not cause collapsing glomerulopathy. FASEB Journal, 2008, 22, 926.16.	0.5	0
196	Tissue Kallikrein increases perivascular cell coverage of angiogenic vessels via a Bradykinin-2 Receptor dependent mechanism. FASEB Journal, 2008, 22, 925.4.	0.5	0
197	VEGF165b inhibits choroidal neovascularization (CNV) in mouse model via intra-vitreous and subcutaneous delivery. FASEB Journal, 2009, 23, 625.11.	0.5	0
198	eNOS induced angiogenesis is blocked by the tyrosine kinase inhibitor Vatalanib (PTK787) in a normoperfused rodent model. FASEB Journal, 2009, 23, 625.5.	0.5	0

#	ARTICLE	IF	CITATIONS
199	Proteinuria is associated with increased systemic and glomerular water permeability. FASEB Journal, 2009, 23, 950.14.	0.5	0
200	Contrasting properties of VEGF165 and VEGF165b splicing isoforms on glomerular water permeability in transgenic mice and complementary rescue of the phenotype. FASEB Journal, 2010, 24, .	0.5	0
201	Activation of Notch signalling by soluble Dll4 decreases permeability via a cAMP/PKA-dependent pathway. FASEB Journal, 2018, 32, 846.6.	0.5	0
202	BOWMAN'S CAPSULE CORRECTED: UNDISCOVERED VASCULAR CHAMBERS IN THE RENAL GLOMERULUS. FASEB Journal, 2018, 32, .	0.5	0
203	Noninvasive Measurement of Retinal Microvascular Permeability During Loss of Endothelial Quiescence. Methods in Molecular Biology, 2022, 2441, 135-156.	0.9	0
204	Measurement of Revascularization in the Hind Limb After Experimental Ischemia in Mice. Methods in Molecular Biology, 2022, 2441, 105-113.	0.9	0
205	Transmission Electron Microscopy of Endothelium. Methods in Molecular Biology, 2022, 2441, 95-103.	0.9	0
206	Quantification of Angiogenesis in Laser Choroidal Neovascularization. Methods in Molecular Biology, 2022, 2441, 223-231.	0.9	0