Federico Bussolino

List of Publications by Year in Descending Order

240 papers	16,996 citations	62 h-index	124 g-index
253 ext. papers	18,313 ext. citations	7.9 avg, IF	5.93 L-index

#	Paper	IF	Citations
240	Oncostatin M is overexpressed in NASH-related hepatocellular carcinoma and promotes cancer cell invasiveness and angiogenesis.. *Journal of Pathology*, **2022**,	9.4	2
239	SKP2 drives the sensitivity to neddylation inhibitors and cisplatin in malignant pleural mesothelioma.. *Journal of Experimental and Clinical Cancer Research*, **2022**, 41, 75	12.8	0
238	Transmembrane Protein TMEM230, a Target of Glioblastoma Therapy. *Frontiers in Cellular Neuroscience*, **2021**, 15, 703431	6.1	
237	The Oncogene Transcription Factor EB Regulates Vascular Functions. *Frontiers in Physiology*, **2021**, 12, 640061	4.6	3
236	The role of redox system in metastasis formation. *Angiogenesis*, **2021**, 24, 435-450	10.6	1
235	Evaluation of the Preclinical Efficacy of Lurbinectedin in Malignant Pleural Mesothelioma. *Cancers*, **2021**, 13,	6.6	1
234	Clinical and Molecular Features of Epidermal Growth Factor Receptor (EGFR) Mutation Positive Non-Small-Cell Lung Cancer (NSCLC) Patients Treated with Tyrosine Kinase Inhibitors (TKIs): Predictive and Prognostic Role of Co-Mutations. *Cancers*, **2021**, 13,	6.6	1
233	miR-200c-3p Regulates Epitelial-to-Mesenchymal Transition in Epicardial Mesothelial Cells by Targeting Epicardial Follistatin-Related Protein 1. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
232	TFEB Signalling-Related MicroRNAs and Autophagy. *Biomolecules*, **2021**, 11,	5.9	4
231	Multifaceted activities of transcription factor EB in cancer onset and progression. *Molecular Oncology*, **2021**, 15, 327-346	7.9	11
230	Role of TGF1 and WNT6 in FGF2 and BMP4-driven endothelial differentiation of murine embryonic stem cells. *Angiogenesis*, **2021**, 1	10.6	0
229	Genetic perturbation of IFN-transcriptional modulators in human endothelial cells uncovers pivotal regulators of angiogenesis. *Computational and Structural Biotechnology Journal*, **2020**, 18, 3977-3986	6.8	3
228	A regulatory microRNA network controls endothelial cell phenotypic switch during sprouting angiogenesis. *ELife*, **2020**, 9,	8.9	22
227	HIV Protease Inhibitors Block HPV16-Induced Murine Cervical Carcinoma and Promote Vessel Normalization in Association with MMP-9 Inhibition and TIMP-3 Induction. *Molecular Cancer Therapeutics*, **2020**, 19, 2476-2489	6.1	2
226	Wnt/IL-1IL-8 autocrine circuitries control chemoresistance in mesothelioma initiating cells by inducing ABCB5. *International Journal of Cancer*, **2020**, 146, 192-207	7.5	20
225	KRAS-Driven Metabolic Rewiring Reveals Novel Actionable Targets in Cancer. *Frontiers in Oncology*, **2019**, 9, 848	5.3	54
224	Potential Diagnostic and Prognostic Role of Microenvironment in Malignant Pleural Mesothelioma. *Journal of Thoracic Oncology*, **2019**, 14, 1458-1471	8.9	29

223	Targeted nanomedicines for applications in preclinical cancer models. *Bulletin of Russian State Medical University*, **2019**, 5-13	0.4	
222	SerpinB3 Differently Up-Regulates Hypoxia Inducible Factors -1 and -2 in Hepatocellular Carcinoma: Mechanisms Revealing Novel Potential Therapeutic Targets. *Cancers*, **2019**, 11,	6.6	10
221	Nanomedicine for Imaging and Therapy of Pancreatic Adenocarcinoma. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 307	5.8	17
220	TFEB controls vascular development by regulating the proliferation of endothelial cells. *EMBO Journal*, **2019**, 38,	13	28
219	PI3K/mTOR inhibition promotes the regression of experimental vascular malformations driven by PIK3CA-activating mutations. *Cell Death and Disease*, **2018**, 9, 45	9.8	49
218	Bloch surface wave label-free and fluorescence platform for the detection of VEGF biomarker in biological matrices. *Sensors and Actuators B: Chemical*, **2018**, 255, 2143-2150	8.5	20
217	Bloch surface wave enhanced biosensor for the direct detection of Angiopoietin-2 tumor biomarker in human plasma. *Biomedical Optics Express*, **2018**, 9, 529-542	3.5	15
216	Tumor progression: the neuronal input. *Annals of Translational Medicine*, **2018**, 6, 89	3.2	26
215	Bromodomain inhibition exerts its therapeutic potential in malignant pleural mesothelioma by promoting immunogenic cell death and changing the tumor immune-environment. *OncoImmunology*, **2018**, 7, e1398874	7.2	29
214	MRCK is activated by caspase cleavage to assemble an apical actin ring for epithelial cell extrusion. *Journal of Cell Biology*, **2018**, 217, 231-249	7.3	16
213	Consensus guidelines for the use and interpretation of angiogenesis assays. *Angiogenesis*, **2018**, 21, 425-532	13.6	285
212	Modulation of Angiopoietin 2 release from endothelial cells and angiogenesis by the synaptic protein Neuroligin 2. *Biochemical and Biophysical Research Communications*, **2018**, 501, 165-171	3.4	5
211	MicroRNA-mediated regulatory circuits: outlook and perspectives. *Physical Biology*, **2017**, 14, 045001	3	54
210	Bioengineered tumoral microtissues recapitulate desmoplastic reaction of pancreatic cancer. *Acta Biomaterialia*, **2017**, 49, 152-166	10.8	41
209	VEGF-Mediated Signal Transduction in Tumor Angiogenesis **2017**,		2
208	Sema3F (Semaphorin 3F) Selectively Drives an Extraembryonic Proangiogenic Program. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 1710-1721	9.4	7
207	VEGF blockade enhances the antitumor effect of BRAFV600E inhibition. *EMBO Molecular Medicine*, **2017**, 9, 219-237	12	24
206	An Electrical Impedance-Based Method for Quantitative Real-Time Analysis of Semaphorin-Elicited Endothelial Cell Collapse. *Methods in Molecular Biology*, **2017**, 1493, 195-207	1.4	4

205	Therapy for Cancer: Strategy of Combining Anti-Angiogenic and Target Therapies. *Frontiers in Cell and Developmental Biology*, **2017**, 5, 101	5.7	38
204	Hydrogel-Terminated Photonic Crystal for Label-Free Detection of Angiopoietin-1. *Journal of Lightwave Technology*, **2016**, 34, 3641-3645	4	12
203	Novel active agents in patients with advanced NSCLC without driver mutations who have progressed after first-line chemotherapy. *ESMO Open*, **2016**, 1, e000118	6	4
202	BCAM and LAMA5 Mediate the Recognition between Tumor Cells and the Endothelium in the Metastatic Spreading of KRAS-Mutant Colorectal Cancer. *Clinical Cancer Research*, **2016**, 22, 4923-4933	12.9	34
201	Real-time monitoring of cell protrusion dynamics by impedance responses. *Scientific Reports*, **2015**, 5, 10206	4.9	18
200	The cholesterol biosynthesis enzyme oxidosqualene cyclase is a new target to impair tumour angiogenesis and metastasis dissemination. *Scientific Reports*, **2015**, 5, 9054	4.9	33
199	The Neuronal Pentraxin-2 Pathway Is an Unrecognized Target in Human Neuroblastoma, Which Also Offers Prognostic Value in Patients. *Cancer Research*, **2015**, 75, 4265-71	10.1	16
198	SPAD aptasensor for the detection of circulating protein biomarkers. *Biosensors and Bioelectronics*, **2015**, 68, 500-507	11.8	17
197	PDK1 regulates focal adhesion disassembly by modulating endocytosis of β3 integrin. *Journal of Cell Science*, **2015**, 128, 863-77	5.3	15
196	Three-dimensional in vitro assay of endothelial cell invasion and capillary tube morphogenesis. *Methods in Molecular Biology*, **2015**, 1214, 41-7	1.4	4
195	Semaphorins in cardiovascular medicine. *Trends in Molecular Medicine*, **2014**, 20, 589-98	11.5	12
194	Angiopoietin-like 7, a novel pro-angiogenetic factor over-expressed in cancer. *Angiogenesis*, **2014**, 17, 881-96	10.6	40
193	Endothelial podosome rosettes regulate vascular branching in tumour angiogenesis. *Nature Cell Biology*, **2014**, 16, 931-41, 1-8	23.4	89
192	PDK1-mediated activation of MRCK β regulates directional cell migration and lamellipodia retraction. *Journal of Cell Biology*, **2014**, 206, 415-34	7.3	31
191	Neuroligin 1 induces blood vessel maturation by cooperating with the β6 integrin. *Journal of Biological Chemistry*, **2014**, 289, 19466-76	5.4	23
190	Neuroligin 1 induces blood vessel maturation by cooperating with the β6 integrin.. *Journal of Biological Chemistry*, **2014**, 289, 25475	5.4	78
189	Bloch Surface Waves on Dielectric Photonic Crystals for Biological Sensing. *Lecture Notes in Electrical Engineering*, **2014**, 107-111	0.2	
188	Class 3 semaphorin in angiogenesis and lymphangiogenesis. *Chemical Immunology and Allergy*, **2014** , 99, 71-88		12

187	Novel phage display-derived neuroblastoma-targeting peptides potentiate the effect of drug nanocarriers in preclinical settings. *Journal of Controlled Release*, **2013**, 170, 233-41	11.7	35
186	A peptide from the extracellular region of the synaptic protein Neurexin stimulates angiogenesis and the vascular specific tyrosine kinase Tie2. *Biochemical and Biophysical Research Communications* , **2013**, 432, 574-9	3.4	5
185	The V1/V2 loop of HIV-1 gp120 is necessary for Tat binding and consequent modulation of virus entry. *FEBS Letters*, **2013**, 587, 2943-51	3.8	7
184	Class 3 semaphorins: physiological vascular normalizing agents for anti-cancer therapy. *Journal of Internal Medicine*, **2013**, 273, 138-55	10.8	32
183	Emerging lymphae for the fountain of life. *EMBO Journal*, **2013**, 32, 609-11	13	5
182	A fluorescent one-dimensional photonic crystal for label-free biosensing based on BLOCH surface waves. *Sensors*, **2013**, 13, 2011-22	3.8	50
181	Modeling human tumor angiogenesis in a three-dimensional culture system. *Blood*, **2013**, 121, e129-37	2.2	56
180	Differential regulation of neurexin at glutamatergic and GABAergic synapses. *Frontiers in Cellular Neuroscience*, **2013**, 7, 35	6.1	16
179	Unraveling the influence of endothelial cell density on VEGF-A signaling. *Blood*, **2012**, 119, 5599-607	2.2	22
178	The miR-126 regulates angiopoietin-1 signaling and vessel maturation by targeting p85 *Biochimica Et Biophysica Acta - Molecular Cell Research*, **2012**, 1823, 1925-35	4.9	66
177	A complex of 6 integrin and E-cadherin drives liver metastasis of colorectal cancer cells through hepatic angiopoietin-like 6. *EMBO Molecular Medicine*, **2012**, 4, 1156-75	12	37
176	IL-12-dependent innate immunity arrests endothelial cells in G0-G1 phase by a p21(Cip1/Waf1)-mediated mechanism. *Angiogenesis*, **2012**, 15, 713-25	10.6	4
175	The synaptic proteins heurexin and neuroligin synergize with extracellular matrix-binding vascular endothelial growth factor a during zebrafish vascular development. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 1563-72	9.4	17
174	3-phosphoinositide-dependent kinase 1 controls breast tumor growth in a kinase-dependent but Akt-independent manner. *Neoplasia*, **2012**, 14, 719-31	6.4	53
173	Targeted dual-color silica nanoparticles provide univocal identification of micrometastases in preclinical models of colorectal cancer. *International Journal of Nanomedicine*, **2012**, 7, 4797-807	7.3	26
172	SERS active Ag nanoparticles in mesoporous silicon: detection of organic molecules and peptide antibody assays. *Journal of Raman Spectroscopy*, **2012**, 43, 730-736	2.3	59
171	The R-Ras/RIN2/Rab5 complex controls endothelial cell adhesion and morphogenesis via active integrin endocytosis and Rac signaling. *Cell Research*, **2012**, 22, 1479-501	24.7	84
170	Targeting oncogenic serine/threonine-protein kinase BRAF in cancer cells inhibits angiogenesis and abrogates hypoxia. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, E353-9	11.5	42

169	Liver X receptor activation reduces angiogenesis by impairing lipid raft localization and signaling of vascular endothelial growth factor receptor-2. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 2280-8	9.4	51
168	Semaphorin 4A exerts a proangiogenic effect by enhancing vascular endothelial growth factor-A expression in macrophages. *Journal of Immunology*, **2012**, 188, 4081-92	5.3	53
167	Neuropilin-1 identifies a subset of bone marrow Gr1- monocytes that can induce tumor vessel normalization and inhibit tumor growth. *Cancer Research*, **2012**, 72, 6371-81	10.1	44
166	Semaphorin 3A overcomes cancer hypoxia and metastatic dissemination induced by antiangiogenic treatment in mice. *Journal of Clinical Investigation*, **2012**, 122, 1832-48	15.9	132
165	Ex vivo-expanded bone marrow CD34(+) for acute myocardial infarction treatment: in vitro and in vivo studies. *Cytotherapy*, **2011**, 13, 1140-52	4.8	7
164	Nervous vascular parallels: axon guidance and beyond. *International Journal of Developmental Biology*, **2011**, 55, 439-45	1.9	25
163	Priming of the vascular endothelial growth factor signaling pathway by thrombospondin-1, CD36, and spleen tyrosine kinase. *Blood*, **2011**, 117, 4658-66	2.2	46
162	Mature endothelium and neurons are simultaneously derived from embryonic stem cells by 2D in vitro culture system. *Journal of Cellular and Molecular Medicine*, **2011**, 15, 2200-15	5.6	4
161	Simplification of a complex signal transduction model using invariants and flow equivalent servers. *Theoretical Computer Science*, **2011**, 412, 6036-6057	1.1	13
160	Neurexins and neuroligins: synapses look out of the nervous system. *Cellular and Molecular Life Sciences*, **2011**, 68, 2655-66	10.3	47
159	A transient kinetic study between signaling proteins: the case of the MEK-ERK interaction. *Chemical Science*, **2011**, 2, 1804	9.4	7
158	Small GTPase Rab5 participates in chromosome congression and regulates localization of the centromere-associated protein CENP-F to kinetochores. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 17337-42	11.5	41
157	Protein kinase D1 regulates VEGF-A-induced alphavbeta3 integrin trafficking and endothelial cell migration. *Traffic*, **2010**, 11, 1107-18	5.7	33
156	Increased expression of alpha6 integrin in endothelial cells unveils a proangiogenic role for basement membrane. *Cancer Research*, **2010**, 70, 5759-69	10.1	49
155	Integrin signaling and lung cancer. *Cell Adhesion and Migration*, **2010**, 4, 124-9	3.2	40
154	Role of the microenvironment in the specification of endothelial progenitors derived from embryonic stem cells. *Microvascular Research*, **2010**, 79, 178-83	3.7	14
153	Combined targeting of perivascular and endothelial tumor cells enhances anti-tumor efficacy of liposomal chemotherapy in neuroblastoma. *Journal of Controlled Release*, **2010**, 145, 66-73	11.7	73
152	Characterization of the neuroligin gene family expression and evolution in zebrafish. *Developmental Dynamics*, **2010**, 239, 688-702	2.9	13

151	Development of microcantilever-based biosensor array to detect Angiopoietin-1, a marker of tumor angiogenesis. *Biosensors and Bioelectronics*, **2010**, 25, 1193-8	11.8	35
150	Integration of microfluidic and cantilever technology for biosensing application in liquid environment. *Biosensors and Bioelectronics*, **2010**, 26, 1565-70	11.8	52
149	Microenvironment drives the endothelial or neural fate of differentiating embryonic stem cells coexpressing neuropilin-1 and Flk-1. *FASEB Journal*, **2009**, 23, 68-78	0.9	14
148	The synaptic proteins neurexins and neuroligins are widely expressed in the vascular system and contribute to its functions. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 20782-7	11.5	45
147	Semaphorin 3A is an endogenous angiogenesis inhibitor that blocks tumor growth and normalizes tumor vasculature in transgenic mouse models. *Journal of Clinical Investigation*, **2009**, 119, 3356-72	15.9	145
146	Neuropilin-1/GIPC1 signaling regulates alpha5beta1 integrin traffic and function in endothelial cells. *PLoS Biology*, **2009**, 7, e25	9.7	215
145	Semaphorins and tumor angiogenesis. *Angiogenesis*, **2009**, 12, 187-93	10.6	37
144	Fluorescence anisotropy analysis of protein–antibody interaction. *Dyes and Pigments*, **2009**, 83, 225-229	4.6	16
143	A study of the interaction between fluorescein sodium salt and bovine serum albumin by steady-state fluorescence. *Dyes and Pigments*, **2009**, 80, 307-313	4.6	121
142	LXR-activating oxysterols induce the expression of inflammatory markers in endothelial cells through LXR-independent mechanisms. *Atherosclerosis*, **2009**, 207, 38-44	3.1	52
141	Sorafenib blocks tumour growth, angiogenesis and metastatic potential in preclinical models of osteosarcoma through a mechanism potentially involving the inhibition of ERK1/2, MCL-1 and ezrin pathways. *Molecular Cancer*, **2009**, 8, 118	42.1	131
140	Angiogenesis: a balancing act between integrin activation and inhibition?. *European Cytokine Network*, **2009**, 20, 191-6	3.3	7
139	On the Use of Stochastic Petri Nets in the Analysis of Signal Transduction Pathways for Angiogenesis Process. *Lecture Notes in Computer Science*, **2009**, 281-295	0.9	11
138	Diacylglycerol kinase-alpha phosphorylation by Src on Y335 is required for activation, membrane recruitment and Hgf-induced cell motility. *Oncogene*, **2008**, 27, 942-56	9.2	38
137	Besides adhesion: new perspectives of integrin functions in angiogenesis. *Cardiovascular Research*, **2008**, 78, 213-22	9.9	46
136	Integrins team up with tyrosine kinase receptors and plexins to control angiogenesis. *Current Opinion in Hematology*, **2008**, 15, 235-42	3.3	21
135	VRG: A database of vascular dysfunctions related genes. *Computers and Mathematics With Applications*, **2008**, 55, 1068-1073	2.7	0
134	Integrins: a flexible platform for endothelial vascular tyrosine kinase receptors. *Autoimmunity Reviews*, **2007**, 7, 18-22	13.6	15

133	Embryonic cleavage modeling as a computational approach to sphere packing problem. *Journal of Theoretical Biology*, **2007**, 245, 77-82	2.3	3
132	A simulation environment for directional sensing as a phase separation process. *Sciencels STKE: Signal Transduction Knowledge Environment*, **2007**, 2007, pl1		4
131	Essential role of PDK1 in regulating endothelial cell migration. *Journal of Cell Biology*, **2007**, 176, 1035-47	7.3	69
130	Comparative genome analysis of the neurexin gene family in Danio rerio: insights into their functions and evolution. *Molecular Biology and Evolution*, **2007**, 24, 236-52	8.3	28
129	Osteopontin overexpression inhibits in vitro re-endothelialization via integrin engagement. *Journal of Biological Chemistry*, **2007**, 282, 19676-84	5.4	23
128	A new computational approach to analyze human protein complexes and predict novel protein interactions. *Genome Biology*, **2007**, 8, R256	18.3	8
127	Phase Separation in Eukaryotic Directional Sensing **2007**, 23-32		
126	Small molecule approaches for promoting ischemic tissue vascularization. *Circulation Research*, **2006**, 99, 231-3	15.7	1
125	Type I collagen limits VEGFR-2 signaling by a SHP2 protein-tyrosine phosphatase-dependent mechanism 1. *Circulation Research*, **2006**, 98, 45-54	15.7	53
124	Semaphoring vascular morphogenesis. *Endothelium: Journal of Endothelial Cell Research*, **2006**, 13, 81-91		43
123	Integrins and angiogenesis: a sticky business. *Experimental Cell Research*, **2006**, 312, 651-8	4.2	174
122	Loss of inhibitory semaphorin 3A (SEMA3A) autocrine loops in bone marrow endothelial cells of patients with multiple myeloma. *Blood*, **2006**, 108, 1661-7	2.2	73
121	Gorham-Stout syndrome: a monocyte-mediated cytokine propelled disease. *Journal of Bone and Mineral Research*, **2006**, 21, 207-18	6.3	53
120	A Computational Model for Eukaryotic Directional Sensing. *Lecture Notes in Computer Science*, **2006** , 184-195	0.9	
119	Inhibition of vascular endothelial growth factor receptor 2-mediated endothelial cell activation by Axl tyrosine kinase receptor. *Blood*, **2005**, 105, 1970-6	2.2	90
118	Cell surface-associated Tat modulates HIV-1 infection and spreading through a specific interaction with gp120 viral envelope protein. *Blood*, **2005**, 105, 2802-11	2.2	38
117	Sema4D induces angiogenesis through Met recruitment by Plexin B1. *Blood*, **2005**, 105, 4321-9	2.2	194
116	Direct recruitment of CRK and GRB2 to VEGFR-3 induces proliferation, migration, and survival of endothelial cells through the activation of ERK, AKT, and JNK pathways. *Blood*, **2005**, 106, 3423-31	2.2	129

115	Stable interaction between alpha5beta1 integrin and Tie2 tyrosine kinase receptor regulates endothelial cell response to Ang-1. *Journal of Cell Biology*, **2005**, 170, 993-1004	7.3	147
114	Diffusion-limited phase separation in eukaryotic chemotaxis. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 16927-32	11.5	80
113	Identification of CD36 molecular features required for its in vitro angiostatic activity. *FASEB Journal* , **2005**, 19, 1713-5	0.9	65
112	A Review of Vasculogenesis Models. *Journal of Theoretical Medicine*, **2005**, 6, 1-19		53
111	Involvement of chemokine receptor 4/stromal cell-derived factor 1 system during osteosarcoma tumor progression. *Clinical Cancer Research*, **2005**, 11, 490-7	12.9	81
110	Vasculogenic potential of long term repopulating cord blood progenitors. *FASEB Journal*, **2004**, 18, 1273-5	0.9	19
109	Human immunodeficiency virus type 1 Tat regulates endothelial cell actin cytoskeletal dynamics through PAK1 activation and oxidant production. *Journal of Virology*, **2004**, 78, 779-89	6.6	52
108	Adaptor ShcA protein binds tyrosine kinase Tie2 receptor and regulates migration and sprouting but not survival of endothelial cells. *Journal of Biological Chemistry*, **2004**, 279, 13224-33	5.4	39
107	Common cues in vascular and axon guidance. *Physiology*, **2004**, 19, 348-54	9.8	29
106	Activation of diacylglycerol kinase alpha is required for VEGF-induced angiogenic signaling in vitro. *Oncogene*, **2004**, 23, 4828-38	9.2	62
105	Aminopeptidase A is a functional target in angiogenic blood vessels. *Cancer Cell*, **2004**, 5, 151-62	24.3	124
104	CCL16 activates an angiogenic program in vascular endothelial cells. *Blood*, **2004**, 103, 40-9	2.2	73
103	Temporal and spatial modulation of Rho GTPases during in vitro formation of capillary vascular network. Adherens junctions and myosin light chain as targets of Rac1 and RhoA. *Journal of Biological Chemistry*, **2003**, 278, 50702-13	5.4	58
102	Tumor-host interaction mediates the regression of BK virus-induced vascular tumors in mice: involvement of transforming growth factor-beta1. *Carcinogenesis*, **2003**, 24, 1435-44	4.6	6
101	Tie-2-dependent activation of RhoA and Rac1 participates in endothelial cell motility triggered by angiopoietin-1. *Blood*, **2003**, 102, 2482-90	2.2	52
100	Modeling the early stages of vascular network assembly. *EMBO Journal*, **2003**, 22, 1771-9	13	236
99	Angiopoietin-2 expression in breast cancer correlates with lymph node invasion and short survival. *International Journal of Cancer*, **2003**, 103, 466-74	7.5	155
98	Insulin-like growth factor binding protein-3 is overexpressed in endothelial cells of mouse breast tumor vessels. *International Journal of Cancer*, **2003**, 103, 577-86	7.5	25

97	Class 3 semaphorins control vascular morphogenesis by inhibiting integrin function. *Nature*, **2003**, 424, 391-7	50.4	492
96	Percolation, morphogenesis, and burgers dynamics in blood vessels formation. *Physical Review Letters*, **2003**, 90, 118101	7.4	180
95	IL-12 regulates an endothelial cell-lymphocyte network: effect on metalloproteinase-9 production. *Journal of Immunology*, **2003**, 171, 3725-33	5.3	49
94	Hyperthermia inhibits angiogenesis by a plasminogen activator inhibitor 1-dependent mechanism. *Cancer Research*, **2003**, 63, 1500-7	10.1	53
93	HIV protease inhibitors are potent anti-angiogenic molecules and promote regression of Kaposi sarcoma. *Nature Medicine*, **2002**, 8, 225-32	50.5	269
92	Ghrelin and des-acyl ghrelin inhibit cell death in cardiomyocytes and endothelial cells through ERK1/2 and PI 3-kinase/AKT. *Journal of Cell Biology*, **2002**, 159, 1029-37	7.3	600
91	In vivo activation of JAK2/STAT-3 pathway during angiogenesis induced by GM-CSF. *FASEB Journal*, **2002**, 16, 225-7	0.9	99
90	Recombinant AAV vector encoding human VEGF165 enhances wound healing. *Gene Therapy*, **2002**, 9, 777-85	4	105
89	Tat-induced platelet-activating factor synthesis contributes to the angiogenic effect of HIV-1 Tat. *European Journal of Immunology*, **2001**, 31, 376-83	6.1	22
88	Dynamic modules and heterogeneity of function: a lesson from tyrosine kinase receptors in endothelial cells. *EMBO Reports*, **2001**, 2, 763-7	6.5	24
87	IL-12 inhibition of endothelial cell functions and angiogenesis depends on lymphocyte-endothelial cell cross-talk. *Journal of Immunology*, **2001**, 166, 3890-9	5.3	132
86	Cytoadherence of Plasmodium falciparum-infected erythrocytes is mediated by a redox-dependent conformational fraction of CD36. *Journal of Immunology*, **2001**, 167, 6510-7	5.3	14
85	Expression of angiopoietin-1 in human glioblastomas regulates tumor-induced angiogenesis: in vivo and in vitro studies. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2001**, 21, 536-41	9.4	44
84	HIV-1 Tat protein stimulates in vivo vascular permeability and lymphomononuclear cell recruitment. *Journal of Immunology*, **2001**, 166, 1380-8	5.3	42
83	Involvement of a serine protease, but not of neutrophil elastase, in tumor necrosis factor-induced lethal hepatitis and induction of platelet-activating factor. *Journal of Hepatology*, **2001**, 35, 490-7	13.4	7
82	Interactions between endothelial cells and HIV-1. *International Journal of Biochemistry and Cell Biology*, **2001**, 33, 371-90	5.6	53
81	Cu(II) and Zn(II) complexes with hyaluronic acid and its sulphated derivative. Effect on the motility of vascular endothelial cells. *Journal of Inorganic Biochemistry*, **2000**, 81, 229-37	4.2	23
80	Human endothelial cells expressing polyoma middle T induce tumors. *Oncogene*, **2000**, 19, 3632-41	9.2	24

79	Identification of specific molecular structures of human immunodeficiency virus type 1 Tat relevant for its biological effects on vascular endothelial cells. *Journal of Virology*, **2000**, 74, 344-53	6.6	58
78	Human immunodeficiency virus transactivator protein (Tat) stimulates chemotaxis, calcium mobilization, and activation of human polymorphonuclear leukocytes: implications for Tat-mediated pathogenesis. *Journal of Infectious Diseases*, **2000**, 182, 1643-51	7	64
77	Aberrantly glycosylated IgA molecules downregulate the synthesis and secretion of vascular endothelial growth factor in human mesangial cells. *American Journal of Kidney Diseases*, **2000**, 36, 1242-52	7.4	41
76	Bone Marrow Neovascularization, Plasma Cell Angiogenic Potential, and Matrix Metalloproteinase-2 Secretion Parallel Progression of Human Multiple Myeloma. *Blood*, **1999**, 93, 3064-3073	2.2	485
75	c-fos-induced growth factor/vascular endothelial growth factor D induces angiogenesis in vivo and in vitro. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 9671-6	11.5	216
74	Vascular endothelial growth factor-C stimulates the migration and proliferation of Kaposi's sarcoma cells. *Journal of Biological Chemistry*, **1999**, 274, 27617-22	5.4	75
73	Role of alphavbeta3 integrin in the activation of vascular endothelial growth factor receptor-2. *EMBO Journal*, **1999**, 18, 882-92	13	521
72	Platelet activating factor is elevated in cerebral spinal fluid and plasma of patients with relapsing-remitting multiple sclerosis. *Journal of Neuroimmunology*, **1999**, 94, 212-21	3.5	63
71	Bone Marrow Neovascularization, Plasma Cell Angiogenic Potential, and Matrix Metalloproteinase-2 Secretion Parallel Progression of Human Multiple Myeloma. *Blood*, **1999**, 93, 3064-3073	2.2	103
70	Human Immunodeficiency Virus-1 (HIV-1)-Tat Protein Promotes Migration of Acquired Immunodeficiency Syndrome-Related Lymphoma Cells and Enhances Their Adhesion to Endothelial Cells. *Blood*, **1999**, 94, 1747-1754	2.2	18
69	Human Immunodeficiency Virus-1 (HIV-1)-Tat Protein Promotes Migration of Acquired Immunodeficiency Syndrome-Related Lymphoma Cells and Enhances Their Adhesion to Endothelial Cells. *Blood*, **1999**, 94, 1747-1754	2.2	4
68	Role of Inflammatory Mediators in Angiogenesis **1999**, 37-50		
67	Human lymphoblastoid cells produce extracellular matrix-degrading enzymes and induce endothelial cell proliferation, migration, morphogenesis, and angiogenesis. *International Journal of Clinical and Laboratory Research*, **1998**, 28, 55-68		79
66	Tumor necrosis factor-alpha regulates expression of vascular endothelial growth factor receptor-2 and of its co-receptor neuropilin-1 in human vascular endothelial cells. *Journal of Biological Chemistry*, **1998**, 273, 22128-35	5.4	201
65	Role of IL-6 and its soluble receptor in induction of chemokines and leukocyte recruitment. *Immunity*, **1997**, 6, 315-25	32.3	887
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