Federico Bussolino

List of Publications by Citations

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	Hepatocyte growth factor is a potent angiogenic factor which stimulates endothelial cell motility and growth. *Journal of Cell Biology*, **1992**, 119, 629-41	7.3	1190
239	Role of IL-6 and its soluble receptor in induction of chemokines and leukocyte recruitment. *Immunity*, **1997**, 6, 315-25	32.3	887
238	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
237	Cytokine regulation of endothelial cell function. *FASEB Journal*, **1992**, 6, 2591-9	0.9	574
236	Granulocyte- and granulocyte-macrophage-colony stimulating factors induce human endothelial cells to migrate and proliferate. *Nature*, **1989**, 337, 471-3	50.4	558
235	Role of alphavbeta3 integrin in the activation of vascular endothelial growth factor receptor-2. *EMBO Journal*, **1999**, 18, 882-92	13	521
234	Class 3 semaphorins control vascular morphogenesis by inhibiting integrin function. *Nature*, **2003**, 424, 391-7	50.4	492
233	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
232	Molecular mechanisms of blood vessel formation. *Trends in Biochemical Sciences*, **1997**, 22, 251-6	10.3	369
231	Cytokine regulation of endothelial cell function: from molecular level to the bedside. *Trends in Immunology*, **1997**, 18, 231-40		334
230	The angiogenesis induced by HIV-1 tat protein is mediated by the Flk-1/KDR receptor on vascular endothelial cells. *Nature Medicine*, **1996**, 2, 1371-5	50.5	330
229	Consensus guidelines for the use and interpretation of angiogenesis assays. *Angiogenesis*, **2018**, 21, 425-532	13.6	285
228	HIV protease inhibitors are potent anti-angiogenic molecules and promote regression of Kaposi sarcoma. *Nature Medicine*, **2002**, 8, 225-32	50.5	269
227	Modeling the early stages of vascular network assembly. *EMBO Journal*, **2003**, 22, 1771-9	13	236
226	In vitro and in vivo activation of endothelial cells by colony-stimulating factors. *Journal of Clinical Investigation*, **1991**, 87, 986-95	15.9	231
225	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
224	Neuropilin-1/GIPC1 signaling regulates alpha5beta1 integrin traffic and function in endothelial cells. *PLoS Biology*, **2009**, 7, e25	9.7	215

223	The molecular action of tumor necrosis factor-alpha. *FEBS Journal*, **1991**, 202, 3-14		205
222	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
221	Naturally occurring anti-band-3 antibodies and complement together mediate phagocytosis of oxidatively stressed human erythrocytes. *Proceedings of the National Academy of Sciences of the United States of America*, **1987**, 84, 7368-72	11.5	195
220	Sema4D induces angiogenesis through Met recruitment by Plexin B1. *Blood*, **2005**, 105, 4321-9	2.2	194
219	Percolation, morphogenesis, and burgers dynamics in blood vessels formation. *Physical Review Letters*, **2003**, 90, 118101	7.4	180
218	Integrins and angiogenesis: a sticky business. *Experimental Cell Research*, **2006**, 312, 651-8	4.2	174
217	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
216	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
215	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
214	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
213	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
212	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
211	Tumor necrosis factor alpha-induced angiogenesis depends on in situ platelet-activating factor biosynthesis. *Journal of Experimental Medicine*, **1994**, 180, 377-82	16.6	131
210	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
209	Aminopeptidase A is a functional target in angiogenic blood vessels. *Cancer Cell*, **2004**, 5, 151-62	24.3	124
208	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
207	Is there a case for PAF antagonists in the treatment of ischemic states?. *Trends in Pharmacological Sciences*, **1989**, 10, 23-30	13.2	110
206	Recombinant AAV vector encoding human VEGF165 enhances wound healing. *Gene Therapy*, **2002**, 9, 777-85	4	105

205	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
204	Tat-Human Immunodeficiency Virus-1 Induces Human Monocyte Chemotaxis by Activation of Vascular Endothelial Growth Factor Receptor-1. *Blood*, **1997**, 90, 1365-1372	2.2	102
203	In vivo activation of JAK2/STAT-3 pathway during angiogenesis induced by GM-CSF. *FASEB Journal*, **2002**, 16, 225-7	0.9	99
202	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
201	Endothelial podosome rosettes regulate vascular branching in tumour angiogenesis. *Nature Cell Biology*, **2014**, 16, 931-41, 1-8	23.4	89
200	Role of cytokines and platelet-activating factor in microvascular immune injury. *International Archives of Allergy and Immunology*, **1989**, 88, 88-100	3.7	88
199	Platelet activating factor produced in vitro by Kaposi's sarcoma cells induces and sustains in vivo angiogenesis. *Journal of Clinical Investigation*, **1995**, 96, 940-52	15.9	85
198	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
197	Erythrocyte stages of Plasmodium falciparum exhibit a high nitric oxide synthase (NOS) activity and release an NOS-inducing soluble factor. *Journal of Experimental Medicine*, **1995**, 182, 677-88	16.6	81
196	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
195	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
194	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
193	Antiinflammatory peptides (antiflammins) inhibit synthesis of platelet-activating factor, neutrophil aggregation and chemotaxis, and intradermal inflammatory reactions. *Journal of Experimental Medicine*, **1990**, 171, 913-27	16.6	79
192	Neuroligin 1 induces blood vessel maturation by cooperating with the α6 integrin.. *Journal of Biological Chemistry*, **2014**, 289, 25475	5.4	78
191	In vivo activation of met tyrosine kinase by heterodimeric hepatocyte growth factor molecule promotes angiogenesis. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1995**, 15, 1857-65	9.4	78
190	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
189	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
188	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

187	CCL16 activates an angiogenic program in vascular endothelial cells. *Blood*, **2004**, 103, 40-9	2.2	73
186	Acetylcholine-induced production of platelet-activating factor by human fetal brain cells in culture. *Journal of Neuroscience Research*, **1990**, 27, 706-11	4.4	72
185	Essential role of PDK1 in regulating endothelial cell migration. *Journal of Cell Biology*, **2007**, 176, 1035-47	7.3	69
184	Release of platelet-activating factor in systemic lupus erythematosus. *International Archives of Allergy and Immunology*, **1990**, 91, 244-56	3.7	68
183	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
182	Identification of CD36 molecular features required for its in vitro angiostatic activity. *FASEB Journal* , **2005**, 19, 1713-5	0.9	65
181	Platelet-Activating Factor Produced by Endothelial Cells. A Molecule with Autocrine and Paracrine Properties. *FEBS Journal*, **1995**, 229, 327-337		65
180	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
179	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
178	Activation of diacylglycerol kinase alpha is required for VEGF-induced angiogenic signaling in vitro. *Oncogene*, **2004**, 23, 4828-38	9.2	62
177	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
176	Proliferative and migratory responses of murine microvascular endothelial cells to granulocyte-colony-stimulating factor. *Journal of Cellular Physiology*, **1993**, 155, 89-95	7	59
175	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
174	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
173	Differential expression of the common beta and specific alpha chains of the receptors for GM-CSF, IL-3, and IL-5 in endothelial cells. *Experimental Cell Research*, **1993**, 206, 311-7	4.2	57
172	Tumor necrosis factor stimulates human neutrophils to release leukotriene B4 and platelet-activating factor. Induction of phospholipase A2 and acetyl-CoA:1-alkyl-sn-glycero-3-phosphocholine O2-acetyltransferase activity and inhibition by antiproteinase. *FEBS Journal*, **1989**, 182, 661-6		57
171	Modeling human tumor angiogenesis in a three-dimensional culture system. *Blood*, **2013**, 121, e129-37	2.2	56
170	MicroRNA-mediated regulatory circuits: outlook and perspectives. *Physical Biology*, **2017**, 14, 045001	3	54

169	KRAS-Driven Metabolic Rewiring Reveals Novel Actionable Targets in Cancer. *Frontiers in Oncology*, **2019**, 9, 848	5.3	54
168	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
167	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
166	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
165	Gorham-Stout syndrome: a monocyte-mediated cytokine propelled disease. *Journal of Bone and Mineral Research*, **2006**, 21, 207-18	6.3	53
164	A Review of Vasculogenesis Models. *Journal of Theoretical Medicine*, **2005**, 6, 1-19		53
163	Interactions between endothelial cells and HIV-1. *International Journal of Biochemistry and Cell Biology*, **2001**, 33, 371-90	5.6	53
162	Hyperthermia inhibits angiogenesis by a plasminogen activator inhibitor 1-dependent mechanism. *Cancer Research*, **2003**, 63, 1500-7	10.1	53
161	LXR-activating oxysterols induce the expression of inflammatory markers in endothelial cells through LXR-independent mechanisms. *Atherosclerosis*, **2009**, 207, 38-44	3.1	52
160	Integration of microfluidic and cantilever technology for biosensing application in liquid environment. *Biosensors and Bioelectronics*, **2010**, 26, 1565-70	11.8	52
159	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
158	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
157	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
156	A fluorescent one-dimensional photonic crystal for label-free biosensing based on BLOCH surface waves. *Sensors*, **2013**, 13, 2011-22	3.8	50
155	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
154	Increased expression of alpha6 integrin in endothelial cells unveils a proangiogenic role for basement membrane. *Cancer Research*, **2010**, 70, 5759-69	10.1	49
153	IL-12 regulates an endothelial cell-lymphocyte network: effect on metalloproteinase-9 production. *Journal of Immunology*, **2003**, 171, 3725-33	5.3	49
152	Intravascular release of platelet activating factor in children with sepsis. *Thrombosis Research*, **1987**, 48, 619-20	8.2	48

151	Acetylcholine and dopamine promote the production of platelet activating factor in immature cells of chick embryonic retina. *Journal of Neurochemistry*, **1988**, 51, 1755-9	6	48
150	Neurexins and neuroligins: synapses look out of the nervous system. *Cellular and Molecular Life Sciences*, **2011**, 68, 2655-66	10.3	47
149	Tumor necrosis factor alters cytoskeletal organization and barrier function of endothelial cells. *International Archives of Allergy and Immunology*, **1991**, 96, 84-91	3.7	47
148	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
147	Besides adhesion: new perspectives of integrin functions in angiogenesis. *Cardiovascular Research*, **2008**, 78, 213-22	9.9	46
146	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
145	A possible role for nitric oxide in modulating the functional cyclosporine toxicity by arginine. *Kidney International*, **1995**, 47, 1507-14	9.9	45
144	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
143	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
142	Semaphoring vascular morphogenesis. *Endothelium: Journal of Endothelial Cell Research*, **2006**, 13, 81-91		43
141	Nitrovasodilators inhibit thrombin-induced platelet-activating factor synthesis in human endothelial cells. *Biochemical Pharmacology*, **1992**, 44, 223-9	6	43
140	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
139	Human monocyte-derived and CD34+ cell-derived dendritic cells express functional receptors for platelet activating factor. *FEBS Letters*, **1997**, 418, 98-100	3.8	42
138	HIV-1 Tat protein stimulates in vivo vascular permeability and lymphomononuclear cell recruitment. *Journal of Immunology*, **2001**, 166, 1380-8	5.3	42
137	Bioengineered tumoral microtissues recapitulate desmoplastic reaction of pancreatic cancer. *Acta Biomaterialia*, **2017**, 49, 152-166	10.8	41
136	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
135	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
134	Streptokinase induces intravascular release of platelet-activating factor in patients with acute myocardial infarction and stimulates its synthesis by cultured human endothelial cells. *Circulation*, **1993**, 88, 1476-83	16.7	41

133	Angiopoietin-like 7, a novel pro-angiogenetic factor over-expressed in cancer. *Angiogenesis*, **2014**, 17, 881-96	10.6	40
132	Integrin signaling and lung cancer. *Cell Adhesion and Migration*, **2010**, 4, 124-9	3.2	40
131	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
130	Protein kinase C and cyclic AMP modulate thrombin-induced platelet-activating factor synthesis in human endothelial cells. *Biochimica Et Biophysica Acta - Molecular Cell Research*, **1991**, 1093, 55-64	4.9	39
129	Therapy for Cancer: Strategy of Combining Anti-Angiogenic and Target Therapies. *Frontiers in Cell and Developmental Biology*, **2017**, 5, 101	5.7	38
128	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
127	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
126	Synergism between platelet activating factor and C-C chemokines for arachidonate release in human monocytes. *Biochemical and Biophysical Research Communications*, **1994**, 199, 761-6	3.4	38
125	A complex of β4 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
124	Semaphorins and tumor angiogenesis. *Angiogenesis*, **2009**, 12, 187-93	10.6	37
123	Activation of JAK2 in Human Vascular Endothelial Cells by Granulocyte-Macrophage Colony-Stimulating Factor. *Blood*, **1997**, 89, 863-872	2.2	37
122	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
121	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
120	Tumor necrosis factor induces contraction of mesangial cells and alters their cytoskeletons. *Kidney International*, **1990**, 38, 795-802	9.9	35
119	Middle T antigen-transformed endothelial cells exhibit an increased activity of nitric oxide synthase. *Journal of Experimental Medicine*, **1995**, 181, 9-19	16.6	34
118	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
117	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
116	Protein kinase D1 regulates VEGF-A-induced alphavbeta3 integrin trafficking and endothelial cell migration. *Traffic*, **2010**, 11, 1107-18	5.7	33

115	Platelet activating factor interaction with tumor necrosis factor and myocardial depressant factor in splanchnic artery occlusion shock. *European Journal of Pharmacology*, **1992**, 222, 13-9	5.3	33
114	Class 3 semaphorins: physiological vascular normalizing agents for anti-cancer therapy. *Journal of Internal Medicine*, **2013**, 273, 138-55	10.8	32
113	PDK1-mediated activation of MRCK□regulates directional cell migration and lamellipodia retraction. *Journal of Cell Biology*, **2014**, 206, 415-34	7.3	31
112	Platelet-activating factor production by human fetal microglia. Effect of lipopolysaccharides and tumor necrosis factor-alpha. *Molecular and Chemical Neuropathology*, **1995**, 24, 95-106		31
111	Potential Diagnostic and Prognostic Role of Microenvironment in Malignant Pleural Mesothelioma. *Journal of Thoracic Oncology*, **2019**, 14, 1458-1471	8.9	29
110	Common cues in vascular and axon guidance. *Physiology*, **2004**, 19, 348-54	9.8	29
109	Involvement of a serine protease in the synthesis of platelet-activating factor by endothelial cells stimulated by tumor necrosis factor-alpha or interleukin-1 alpha. *European Journal of Immunology*, **1994**, 24, 3131-9	6.1	29
108	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
107	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
106	Recent developments in the cell biology of granulocyte-macrophage colony-stimulating factor and granulocyte colony-stimulating factor: activities on endothelial cells. *International Journal of Clinical and Laboratory Research*, **1993**, 23, 8-12		28
105	TFEB controls vascular development by regulating the proliferation of endothelial cells. *EMBO Journal*, **2019**, 38,	13	28
104	Neutropenia induced by platelet-activating factor (PAF-acether) released from neutrophils: the inhibitory effect of prostacyclin (PGI2). *Agents and Actions*, **1981**, 11, 550-3		27
103	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
102	Platelet-activating factor--a powerful lipid autacoid possibly involved in microangiopathy. *Acta Haematologica*, **1986**, 75, 129-40	2.7	26
101	Tumor progression: the neuronal input. *Annals of Translational Medicine*, **2018**, 6, 89	3.2	26
100	Nervous vascular parallels: axon guidance and beyond. *International Journal of Developmental Biology*, **2011**, 55, 439-45	1.9	25
99	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
98	VEGF blockade enhances the antitumor effect of BRAFV600E inhibition. *EMBO Molecular Medicine*, **2017**, 9, 219-237	12	24

97	Dynamic modules and heterogeneity of function: a lesson from tyrosine kinase receptors in endothelial cells. *EMBO Reports*, **2001**, 2, 763-7	6.5	24
96	Human endothelial cells expressing polyoma middle T induce tumors. *Oncogene*, **2000**, 19, 3632-41	9.2	24
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94	Osteopontin overexpression inhibits in vitro re-endothelialization via integrin engagement. *Journal of Biological Chemistry*, **2007**, 282, 19676-84	5.4	23
93	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
92	Unraveling the influence of endothelial cell density on VEGF-A signaling. *Blood*, **2012**, 119, 5599-607	2.2	22
91	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
90	Platelet-activating factor-mediated contraction of rabbit lung strips: pharmacologic modulation. *Immunopharmacology*, **1983**, 6, 87-96		22
89	A regulatory microRNA network controls endothelial cell phenotypic switch during sprouting angiogenesis. *ELife*, **2020**, 9,	8.9	22
88	Integrins team up with tyrosine kinase receptors and plexins to control angiogenesis. *Current Opinion in Hematology*, **2008**, 15, 235-42	3.3	21
87	Effect of prostacyclin on platelet-activating factor induced rabbit and platelet aggregation. *Prostaglandins*, **1980**, 20, 781-91		21
86	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
85	Wnt/IL-1β/IL-8 autocrine circuitries control chemoresistance in mesothelioma initiating cells by inducing ABCB5. *International Journal of Cancer*, **2020**, 146, 192-207	7.5	20
84	Vasculogenic potential of long term repopulating cord blood progenitors. *FASEB Journal*, **2004**, 18, 1273-5	6.9	19
83	Dictyostelium cells produce platelet-activating factor in response to cAMP. *FEBS Journal*, **1991**, 196, 609-15		19
82	Measurement of phagocytosis utilizing [14C]cyanate-labelled human red cells and monocytes. *British Journal of Haematology*, **1987**, 66, 271-4	4.5	19
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80	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

79	SPAD aptasensor for the detection of circulating protein biomarkers. *Biosensors and Bioelectronics*, **2015**, 68, 500-507	11.8	17
78	The synaptic proteins neurexin 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
77	An anti-inflammatory protein secreted from the rat seminal vesicle epithelium inhibits the synthesis of platelet-activating factor and the release of arachidonic acid and prostacyclin. *FEBS Journal*, **1990**, 192, 481-5		17
76	Nanomedicine for Imaging and Therapy of Pancreatic Adenocarcinoma. *Frontiers in Bioengineering and Biotechnology*, **2019**, 7, 307	5.8	17
75	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
74	Differential regulation of neurexin at glutamatergic and GABAergic synapses. *Frontiers in Cellular Neuroscience*, **2013**, 7, 35	6.1	16
73	Fluorescence anisotropy analysis of protein antibody interaction. *Dyes and Pigments*, **2009**, 83, 225-229	4.6	16
72	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
71	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
70	PDK1 regulates focal adhesion disassembly by modulating endocytosis of integrin. *Journal of Cell Science*, **2015**, 128, 863-77	5.3	15
69	Integrins: a flexible platform for endothelial vascular tyrosine kinase receptors. *Autoimmunity Reviews*, **2007**, 7, 18-22	13.6	15
68	Effect of leukocyte stimulation on rabbit immune complex glomerulonephritis. *Kidney International*, **1990**, 38, 1047-55	9.9	15
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