Elisabetta Dejana

List of Publications by Citations

237 papers	30,575 citations	89 h-index	173 g-index
249 ext. papers	33,871 ext. citations	10.4 avg, IF	7.08 L-index

#	Paper	IF	Citations
237	A mechanosensory complex that mediates the endothelial cell response to fluid shear stress. *Nature*, **2005**, 437, 426-31	50.4	1247
236	Junctional adhesion molecule, a novel member of the immunoglobulin superfamily that distributes at intercellular junctions and modulates monocyte transmigration. *Journal of Cell Biology*, **1998**, 142, 117-27	7.3	1113
235	Targeted deficiency or cytosolic truncation of the VE-cadherin gene in mice impairs VEGF-mediated endothelial survival and angiogenesis. *Cell*, **1999**, 98, 147-57	56.2	1067
234	Endothelial cell-to-cell junctions: molecular organization and role in vascular homeostasis. *Physiological Reviews*, **2004**, 84, 869-901	47.9	920
233	Endothelial cell-cell junctions: happy together. *Nature Reviews Molecular Cell Biology*, **2004**, 5, 261-70	48.7	876
232	The role of adherens junctions and VE-cadherin in the control of vascular permeability. *Journal of Cell Science*, **2008**, 121, 2115-22	5.3	704
231	Functionally specialized junctions between endothelial cells of lymphatic vessels. *Journal of Experimental Medicine*, **2007**, 204, 2349-62	16.6	670
230	Heterozygous deficiency of PHD2 restores tumor oxygenation and inhibits metastasis via endothelial normalization. *Cell*, **2009**, 136, 839-851	56.2	642
229	Cytokine regulation of endothelial cell function. *FASEB Journal*, **1992**, 6, 2591-9	0.9	574
228	The control of vascular integrity by endothelial cell junctions: molecular basis and pathological implications. *Developmental Cell*, **2009**, 16, 209-21	10.2	569
227	Wnt/beta-catenin signaling controls development of the blood-brain barrier. *Journal of Cell Biology*, **2008**, 183, 409-17	7.3	550
226	Vascular endothelial-cadherin is an important determinant of microvascular integrity in vivo. *Proceedings of the National Academy of Sciences of the United States of America*, **1999**, 96, 9815-20	11.5	548
225	Fate tracing reveals the endothelial origin of hematopoietic stem cells. *Cell Stem Cell*, **2008**, 3, 625-36	18	487
224	Endothelial PDGF-B retention is required for proper investment of pericytes in the microvessel wall. *Genes and Development*, **2003**, 17, 1835-40	12.6	477
223	VE-cadherin and endothelial adherens junctions: active guardians of vascular integrity. *Developmental Cell*, **2013**, 26, 441-54	10.2	465
222	SIRT1 controls endothelial angiogenic functions during vascular growth. *Genes and Development*, **2007**, 21, 2644-58	12.6	464
221	Endothelial adherens junctions control tight junctions by VE-cadherin-mediated upregulation of claudin-5. *Nature Cell Biology*, **2008**, 10, 923-34	23.4	459

220	Vascular endothelial cadherin controls VEGFR-2 internalization and signaling from intracellular compartments. *Journal of Cell Biology*, **2006**, 174, 593-604	7.3	428
219	Sox18 induces development of the lymphatic vasculature in mice. *Nature*, **2008**, 456, 643-7	50.4	405
218	Heterogeneity of endothelial cells. Specific markers. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1997**, 17, 1193-202	9.4	402
217	The role of junctional adhesion molecules in vascular inflammation. *Nature Reviews Immunology*, **2007**, 7, 467-77	36.5	387
216	Endothelial cell-to-cell junctions. *FASEB Journal*, **1995**, 9, 910-918	0.9	371
215	Contact inhibition of VEGF-induced proliferation requires vascular endothelial cadherin, beta-catenin, and the phosphatase DEP-1/CD148. *Journal of Cell Biology*, **2003**, 161, 793-804	7.3	340
214	Interaction of junctional adhesion molecule with the tight junction components ZO-1, cingulin, and occludin. *Journal of Biological Chemistry*, **2000**, 275, 20520-6	5.4	332
213	EndMT contributes to the onset and progression of cerebral cavernous malformations. *Nature*, **2013**, 498, 492-6	50.4	325
212	Beta-catenin is required for endothelial-mesenchymal transformation during heart cushion development in the mouse. *Journal of Cell Biology*, **2004**, 166, 359-67	7.3	321
211	Cardiomyocytes induce endothelial cells to trans-differentiate into cardiac muscle: implications for myocardium regeneration. *Proceedings of the National Academy of Sciences of the United States of America*, **2001**, 98, 10733-8	11.5	315
210	Phosphorylation of VE-cadherin is modulated by haemodynamic forces and contributes to the regulation of vascular permeability in vivo. *Nature Communications*, **2012**, 3, 1208	17.4	299
209	Tumor vessel normalization by chloroquine independent of autophagy. *Cancer Cell*, **2014**, 26, 190-206	24.3	284
208	The conditional inactivation of the beta-catenin gene in endothelial cells causes a defective vascular pattern and increased vascular fragility. *Journal of Cell Biology*, **2003**, 162, 1111-22	7.3	276
207	VEGF receptor 2 and the adherens junction as a mechanical transducer in vascular endothelial cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 9462-7	11.5	273
206	The molecular basis of vascular lumen formation in the developing mouse aorta. *Developmental Cell*, **2009**, 17, 505-15	10.2	272
205	A gut-vascular barrier controls the systemic dissemination of bacteria. *Science*, **2015**, 350, 830-4	33.3	269
204	Differential localization of VE- and N-cadherins in human endothelial cells: VE-cadherin competes with N-cadherin for junctional localization. *Journal of Cell Biology*, **1998**, 140, 1475-84	7.3	259
203	Monoclonal antibodies directed to different regions of vascular endothelial cadherin extracellular domain affect adhesion and clustering of the protein and modulate endothelial permeability. *Blood* , **2001**, 97, 1679-84	2.2	256

202	Thrombin-induced increase in endothelial permeability is associated with changes in cell-to-cell junction organization. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1996**, 16, 488-96	9.4	255
201	The role of wnt signaling in physiological and pathological angiogenesis. *Circulation Research*, **2010**, 107, 943-52	15.7	250
200	Epac1 regulates integrity of endothelial cell junctions through VE-cadherin. *FEBS Letters*, **2005**, 579, 4966-72	3.5	248
199	Leukocyte recruitment in the cerebrospinal fluid of mice with experimental meningitis is inhibited by an antibody to junctional adhesion molecule (JAM). *Journal of Experimental Medicine*, **1999**, 190, 1351-6	16.6	247
198	Regulation of cadherin function by Rho and Rac: modulation by junction maturation and cellular context. *Molecular Biology of the Cell*, **1999**, 10, 9-22	3.5	231
197	The Wnt/beta-catenin pathway modulates vascular remodeling and specification by upregulating Dll4/Notch signaling. *Developmental Cell*, **2010**, 18, 938-49	10.2	225
196	Immune regulation by microvascular endothelial cells: directing innate and adaptive immunity, coagulation, and inflammation. *Journal of Immunology*, **2007**, 178, 6017-22	5.3	223
195	VE-cadherin regulates endothelial actin activating Rac and increasing membrane association of Tiam. *Molecular Biology of the Cell*, **2002**, 13, 1175-89	3.5	215
194	p120-Catenin regulates clathrin-dependent endocytosis of VE-cadherin. *Molecular Biology of the Cell*, **2005**, 16, 5141-51	3.5	210
193	The molecular basis of endothelial cell plasticity. *Nature Communications*, **2017**, 8, 14361	17.4	208
192	Histamine induces tyrosine phosphorylation of endothelial cell-to-cell adherens junctions. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1999**, 19, 2286-97	9.4	200
191	Vascular endothelial (VE)-cadherin: only an intercellular glue?. *Experimental Cell Research*, **1999**, 252, 13-9	4.2	197
190	Interendothelial junctions: structure, signalling and functional roles. *Current Opinion in Cell Biology*, **1997**, 9, 674-82	9	194
189	Adhesion molecule signalling: not always a sticky business. *Nature Reviews Molecular Cell Biology*, **2011**, 12, 189-97	48.7	188
188	Transcription factor Erg regulates angiogenesis and endothelial apoptosis through VE-cadherin. *Blood*, **2008**, 111, 3498-506	2.2	188
187	Unique role of junctional adhesion molecule-a in maintaining mucosal homeostasis in inflammatory bowel disease. *Gastroenterology*, **2008**, 135, 173-84	13.3	184
186	Catenin-dependent and -independent functions of vascular endothelial cadherin. *Journal of Biological Chemistry*, **1995**, 270, 30965-72	5.4	180
185	Interendothelial Junctions and their Role in the Control of Angiogenesis, Vascular Permeability and Leukocyte Transmigration. *Thrombosis and Haemostasis*, **2001**, 86, 308-315	7	173

184	A monoclonal antibody to vascular endothelial-cadherin inhibits tumor angiogenesis without side effects on endothelial permeability. *Blood*, **2002**, 100, 905-11	2.2	168
183	X-ray structure of junctional adhesion molecule: structural basis for homophilic adhesion via a novel dimerization motif. *EMBO Journal*, **2001**, 20, 4391-8	13	167
182	Sox17 is indispensable for acquisition and maintenance of arterial identity. *Nature Communications*, **2013**, 4, 2609	17.4	163
181	Bleeding time in laboratory animals. II - A comparison of different assay conditions in rats. *Thrombosis Research*, **1979**, 15, 191-7	8.2	161
180	Sox18 and Sox7 play redundant roles in vascular development. *Blood*, **2008**, 111, 2657-66	2.2	155
179	Endothelial cell activation leads to neutrophil transmigration as supported by the sequential roles of ICAM-2, JAM-A, and PECAM-1. *Blood*, **2009**, 113, 6246-57	2.2	151
178	Identification and characterisation of human Junctional Adhesion Molecule (JAM). *Molecular Immunology*, **1999**, 36, 1175-88	4.3	151
177	Organization and signaling of endothelial cell-to-cell junctions in various regions of the blood and lymphatic vascular trees. *Cell and Tissue Research*, **2009**, 335, 17-25	4.2	148
176	Histone deacetylase activity is essential for the expression of HoxA9 and for endothelial commitment of progenitor cells. *Journal of Experimental Medicine*, **2005**, 201, 1825-35	16.6	146
175	CCM1 regulates vascular-lumen organization by inducing endothelial polarity. *Journal of Cell Science*, **2010**, 123, 1073-80	5.3	140
174	Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. *Journal of Cell Science*, **2008**, 121, 29-37	5.3	137
173	Endothelial cell migration directs testis cord formation. *Developmental Biology*, **2009**, 326, 112-20	3.1	136
172	Vascular endothelial-cadherin and vascular stability. *Current Opinion in Hematology*, **2012**, 19, 218-23	3.3	134
171	Endothelial adherens junctions at a glance. *Journal of Cell Science*, **2013**, 126, 2545-9	5.3	131
170	Endothelial cells are progenitors of cardiac pericytes and vascular smooth muscle cells. *Nature Communications*, **2016**, 7, 12422	17.4	130
169	VE-cadherin is not required for the formation of nascent blood vessels but acts to prevent their disassembly. *Blood*, **2005**, 105, 2771-6	2.2	130
168	Increased DC trafficking to lymph nodes and contact hypersensitivity in junctional adhesion molecule-A-deficient mice. *Journal of Clinical Investigation*, **2004**, 114, 729-38	15.9	130
167	VE-cadherin is a critical endothelial regulator of TGF-beta signalling. *EMBO Journal*, **2008**, 27, 993-1004	13	126

166	The endothelial transcription factor ERG promotes vascular stability and growth through Wnt/β-catenin signaling. *Developmental Cell*, **2015**, 32, 82-96	10.2	124
165	VE-Cadherin-mediated cell-cell interaction suppresses sprouting via signaling to MLC2 phosphorylation. *Current Biology*, **2009**, 19, 668-74	6.3	122
164	Inhibition of endothelial FAK activity prevents tumor metastasis by enhancing barrier function. *Journal of Cell Biology*, **2014**, 204, 247-63	7.3	121
163	The role of VE-cadherin in vascular morphogenesis and permeability control. *Progress in Molecular Biology and Translational Science*, **2013**, 116, 119-44	4	121
162	Homophilic interaction of junctional adhesion molecule. *Journal of Biological Chemistry*, **2000**, 275, 30979-89	5.4	113
161	JAM-A mediates neutrophil transmigration in a stimulus-specific manner in vivo: evidence for sequential roles for JAM-A and PECAM-1 in neutrophil transmigration. *Blood*, **2007**, 110, 1848-56	2.2	112
160	Endothelial cadherins and tumor angiogenesis. *Experimental Cell Research*, **2006**, 312, 659-67	4.2	112
159	The role of JAM-A and PECAM-1 in modulating leukocyte infiltration in inflamed and ischemic tissues. *Journal of Leukocyte Biology*, **2006**, 80, 714-8	6.5	111
158	KLF4 is a key determinant in the development and progression of cerebral cavernous malformations. *EMBO Molecular Medicine*, **2016**, 8, 6-24	12	108
157	Endoglin null endothelial cells proliferate faster and are more responsive to transforming growth factor beta1 with higher affinity receptors and an activated Alk1 pathway. *Journal of Biological Chemistry*, **2005**, 280, 27800-8	5.4	106
156	VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. *Nature Communications*, **2013**, 4, 1672	17.4	103
155	Developmental timing of CCM2 loss influences cerebral cavernous malformations in mice. *Journal of Experimental Medicine*, **2011**, 208, 1835-47	16.6	98
154	Junctional adhesion molecule-A-deficient polymorphonuclear cells show reduced diapedesis in peritonitis and heart ischemia-reperfusion injury. *Proceedings of the National Academy of Sciences of the United States of America*, **2005**, 102, 10634-9	11.5	98
153	Association of junctional adhesion molecule with calcium/calmodulin-dependent serine protein kinase (CASK/LIN-2) in human epithelial caco-2 cells. *Journal of Biological Chemistry*, **2001**, 276, 9291-6	5.4	98
152	Stable vascular connections and remodeling require full expression of VE-cadherin in zebrafish embryos. *PLoS ONE*, **2009**, 4, e5772	3.7	93
151	Contribution of JAM-1 to epithelial differentiation and tight-junction biogenesis in the mouse preimplantation embryo. *Journal of Cell Science*, **2004**, 117, 5599-608	5.3	90
150	Development of endothelial cell lines from embryonic stem cells: A tool for studying genetically manipulated endothelial cells in vitro. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2000**, 20, 1443-51	9.4	90
149	Glycolytic regulation of cell rearrangement in angiogenesis. *Nature Communications*, **2016**, 7, 12240	17.4	89

148	In vitro degradation of endothelial catenins by a neutrophil protease. *Journal of Cell Biology*, **1998**, 140, 403-7	7.3	87
147	Junctional adhesion molecule-A deficiency increases hepatic ischemia-reperfusion injury despite reduction of neutrophil transendothelial migration. *Blood*, **2005**, 106, 725-33	2.2	86
146	Selective targeting of angiogenic tumor vasculature by vascular endothelial-cadherin antibody inhibits tumor growth without affecting vascular permeability. *Cancer Research*, **2002**, 62, 2567-75	10.1	85
145	Effects of exercise training on endothelial progenitor cells in patients with chronic heart failure. *Journal of Cardiac Failure*, **2007**, 13, 701-8	3.3	84
144	Defective autophagy is a key feature of cerebral cavernous malformations. *EMBO Molecular Medicine*, **2015**, 7, 1403-17	12	83
143	The multiple languages of endothelial cell-to-cell communication. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 1431-8	9.4	80
142	Overlapping and divergent signaling pathways of N-cadherin and VE-cadherin in endothelial cells. *Blood*, **2012**, 119, 2159-70	2.2	78
141	Mesoangioblasts, vessel-associated multipotent stem cells, repair the infarcted heart by multiple cellular mechanisms: a comparison with bone marrow progenitors, fibroblasts, and endothelial cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2005**, 25, 692-7	9.4	78
140	Sulindac metabolites decrease cerebrovascular malformations in CCM3-knockout mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 8421-6	11.5	77
139	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. *Nature Communications*, **2016**, 7, 11017	17.4	77
138	Vascular endothelial growth factor C disrupts the endothelial lymphatic barrier to promote colorectal cancer invasion. *Gastroenterology*, **2015**, 148, 1438-51.e8	13.3	76
137	JAM-A promotes neutrophil chemotaxis by controlling integrin internalization and recycling. *Journal of Cell Science*, **2009**, 122, 268-77	5.3	75
136	Foxs and Ets in the transcriptional regulation of endothelial cell differentiation and angiogenesis. *Biochimica Et Biophysica Acta: Reviews on Cancer*, **2007**, 1775, 298-312	11.2	75
135	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. *Genes and Development*, **2014**, 28, 1592-603	12.6	74
134	Increase in vascular permeability and vasodilation are critical for proangiogenic effects of stem cell therapy. *Circulation*, **2006**, 114, 328-38	16.7	74
133	Expression of junctional adhesion molecule-A prevents spontaneous and random motility. *Journal of Cell Science*, **2005**, 118, 623-32	5.3	73
132	Wnt activation of immortalized brain endothelial cells as a tool for generating a standardized model of the blood brain barrier in vitro. *PLoS ONE*, **2013**, 8, e70233	3.7	70
131	Co-expression of endothelial cell and macrophage antigens in Kaposi's sarcoma cells. *Journal of Pathology*, **1994**, 173, 23-31	9.4	70

130	Sox7 and Sox17 are strain-specific modifiers of the lymphangiogenic defects caused by Sox18 dysfunction in mice. *Development (Cambridge)*, **2009**, 136, 2385-91	6.6	69
129	Adherens junctions in endothelial cells regulate vessel maintenance and angiogenesis. *Thrombosis Research*, **2007**, 120 Suppl 2, S1-6	8.2	68
128	Signaling pathways in the specification of arteries and veins. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 2372-7	9.4	66
127	The molecular basis of the blood brain barrier differentiation and maintenance. Is it still a mystery?. *Pharmacological Research*, **2011**, 63, 165-71	10.2	66
126	Vascular endothelial growth factor induces SHC association with vascular endothelial cadherin: a potential feedback mechanism to control vascular endothelial growth factor receptor-2 signaling. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2002**, 22, 617-22	9.4	64
125	Gas1 is induced by VE-cadherin and vascular endothelial growth factor and inhibits endothelial cell apoptosis. *Blood*, **2004**, 103, 3005-12	2.2	63
124	Accelerated endothelial wound healing on microstructured substrates under flow. *Biomaterials*, **2013**, 34, 1488-97	15.6	61
123	Combinatorial interaction between CCM pathway genes precipitates hemorrhagic stroke. *DMM Disease Models and Mechanisms*, **2008**, 1, 275-81	4.1	60
122	Endothelial adhesion molecules in the development of the vascular tree: the garden of forking paths. *Current Opinion in Cell Biology*, **1999**, 11, 573-81	9	60
121	Deregulated TGF-/BMP Signaling in Vascular Malformations. *Circulation Research*, **2017**, 121, 981-999	15.7	57
120	PW1/Peg3 expression regulates key properties that determine mesoangioblast stem cell competence. *Nature Communications*, **2015**, 6, 6364	17.4	57
119	Pores in the Sieve and Channels in the Wall: Control of Paracellular Permeability by Junctional Proteins in Endothelial Cells. *Microcirculation*, **2001**, 8, 143-152	2.9	56
118	Expression of VE (vascular endothelial)-cadherin and other endothelial-specific markers in haemangiomas. *Journal of Pathology*, **1995**, 175, 51-7	9.4	55
117	Identification of a novel cadherin (vascular endothelial cadherin-2) located at intercellular junctions in endothelial cells. *Journal of Biological Chemistry*, **1998**, 273, 17565-72	5.4	54
116	Permeability of the Endothelial Barrier: Identifying and Reconciling Controversies. *Trends in Molecular Medicine*, **2021**, 27, 314-331	11.5	54
115	Generation and characterization of a mouse lymphatic endothelial cell line. *Cell and Tissue Research*, **2006**, 325, 91-100	4.2	50
114	Progesterone receptor in the vascular endothelium triggers physiological uterine permeability preimplantation. *Cell*, **2014**, 156, 549-62	56.2	49
113	Alteration of interendothelial adherens junctions following tumor cell-endothelial cell interaction in vitro. *Experimental Cell Research*, **1997**, 237, 347-56	4.2	49

112	Endothelial cell clonal expansion in the development of cerebral cavernous malformations. *Nature Communications*, **2019**, 10, 2761	17.4	48
111	Importance of junctional adhesion molecule-A for neointimal lesion formation and infiltration in atherosclerosis-prone mice. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, e10-3	9.4	48
110	CD93 promotes β1 integrin activation and fibronectin fibrillogenesis during tumor angiogenesis. *Journal of Clinical Investigation*, **2018**, 128, 3280-3297	15.9	48
109	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. *Journal of Cell Biology*, **2015**, 211, 1177-92	7.3	47
108	Vascular endothelial growth factor-angiopoietin chimera with improved properties for therapeutic angiogenesis. *Circulation*, **2013**, 127, 424-34	16.7	47
107	New insights in the control of vascular permeability: vascular endothelial-cadherin and other players. *Current Opinion in Hematology*, **2015**, 22, 267-72	3.3	45
106	Differences in inhibition of PGI2 production by aspirin in rabbit artery and vein segments. *Thrombosis Research*, **1980**, 20, 447-60	8.2	44
105	Genomic structure and chromosomal mapping of the mouse VE-cadherin gene (Cdh5). *Genomics*, **1996**, 32, 21-8	4.3	42
104	Evidence that vascular endothelial cells can induce the retraction of fibrin clots. *Experimental Biology and Medicine*, **1981**, 168, 204-7	3.7	42
103	Endothelial Cells Lining Sporadic Cerebral Cavernous Malformation Cavernomas Undergo Endothelial-to-Mesenchymal Transition. *Stroke*, **2016**, 47, 886-90	6.7	41
102	Abrogation of junctional adhesion molecule-A expression induces cell apoptosis and reduces breast cancer progression. *PLoS ONE*, **2011**, 6, e21242	3.7	41
101	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	40
100	Prostaglandins I2 and E1 reduce rabbit and human platelet adherence without inhibiting serotonin release from adherent platelets. *Thrombosis Research*, **1979**, 15, 273-9	8.2	39
99	Endothelial deficiency of L1 reduces tumor angiogenesis and promotes vessel normalization. *Journal of Clinical Investigation*, **2014**, 124, 4335-50	15.9	39
98	The alternative splicing factor Nova2 regulates vascular development and lumen formation. *Nature Communications*, **2015**, 6, 8479	17.4	37
97	Targeting Vascular Endothelial-Cadherin in Tumor-Associated Blood Vessels Promotes T-cell-Mediated Immunotherapy. *Cancer Research*, **2017**, 77, 4434-4447	10.1	36
96	Endothelial cell-to-cell junctions. Structural characteristics and functional role in the regulation of vascular permeability and leukocyte extravasation. *Best Practice and Research: Clinical Haematology* , **1993**, 6, 539-58		35
95	VE-cadherin at a glance. *Cell and Tissue Research*, **2014**, 355, 515-22	4.2	34

94	Role of synectin in lymphatic development in zebrafish and frogs. *Blood*, **2010**, 116, 3356-66	2.2	33
93	Specific binding of human fibrinogen to cultured human fibroblasts. Evidence for the involvement of the E domain. *FEBS Journal*, **1984**, 139, 657-62		33
92	VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression. *Circulation Research*, **2018**, 122, 231-245	15.7	32
91	VE-cadherin expression and clustering maintain low levels of survivin in endothelial cells. *American Journal of Pathology*, **2004**, 165, 181-9	5.8	32
90	Bleeding time in laboratory animals. III - Do tail bleeding times in rats only measure a platelet defect? (the aspirin puzzle). *Thrombosis Research*, **1979**, 15, 199-207	8.2	32
89	Targeting endothelial junctional adhesion molecule-A/ EPAC/ Rap-1 axis as a novel strategy to increase stem cell engraftment in dystrophic muscles. *EMBO Molecular Medicine*, **2014**, 6, 239-58	12	30
88	Adherens junctions. *Current Biology*, **2008**, 18, R1080-2	6.3	30
87	Modulation of endothelial function by interleukin-1. A novel target for pharmacological intervention?. *Biochemical Pharmacology*, **1987**, 36, 301-5	6	30
86	SoxF factors induce Notch1 expression via direct transcriptional regulation during early arterial development. *Development (Cambridge)*, **2017**, 144, 2629-2639	6.6	28
85	VE-Cadherin Phosphorylation Regulates Endothelial Fluid Shear Stress Responses through the Polarity Protein LGN. *Current Biology*, **2017**, 27, 2219-2225.e5	6.3	28
84	Maternal smoking and prostacyclin production by cultured endothelial cells from umbilical arteries. *American Journal of Obstetrics and Gynecology*, **1984**, 148, 1127-30	6.4	28
83	Current issues in thrombosis prevention with antiplatelet drugs. *Drugs*, **1986**, 31, 517-49	12.1	28
82	Fine-Tuning of Sox17 and Canonical Wnt Coordinates the Permeability Properties of the Blood-Brain Barrier. *Circulation Research*, **2019**, 124, 511-525	15.7	28
81	CDC42 Deletion Elicits Cerebral Vascular Malformations via Increased MEKK3-Dependent KLF4 Expression. *Circulation Research*, **2019**, 124, 1240-1252	15.7	27
80	Catenin Is Required for Endothelial Cyp1b1 Regulation Influencing Metabolic Barrier Function. *Journal of Neuroscience*, **2016**, 36, 8921-35	6.6	27
79	Transcriptional regulation of arterial differentiation via Wnt, Sox and Notch. *Current Opinion in Hematology*, **2014**, 21, 229-34	3.3	27
78	Deciphering the functional role of endothelial junctions by using in vivo models. *EMBO Reports*, **2008**, 9, 742-7	6.5	27
77	The control of endothelial cell functions by adherens junctions. *Novartis Foundation Symposium*, **2007**, 283, 4-13; discussion 13-7, 238-41		27

76	Downregulation of vascular endothelial-cadherin expression is associated with an increase in vascular tumor growth and hemorrhagic complications. *Thrombosis and Haemostasis*, **2005**, 93, 1041-6	7	27
75	Dynamic modules and heterogeneity of function: a lesson from tyrosine kinase receptors in endothelial cells. *EMBO Reports*, **2001**, 2, 763-7	6.5	24
74	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. *ELife*, **2019**, 8,	8.9	24
73	Endothelial □Catenin Signaling Supports Postnatal Brain and Retinal Angiogenesis by Promoting Sprouting, Tip Cell Formation, and VEGFR (Vascular Endothelial Growth Factor Receptor) 2 Expression. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2019**, 39, 2273-2288	9.4	23
72	Inactivation of junctional adhesion molecule-A enhances antitumoral immune response by promoting dendritic cell and T lymphocyte infiltration. *Cancer Research*, **2010**, 70, 1759-65	10.1	22
71	Keratinocyte junctions and the epidermal barrier: how to make a skin-tight dress. *Journal of Cell Biology*, **2002**, 156, 947-9	7.3	22
70	Molecular structure and functional role of vascular tight junctions. *Trends in Cardiovascular Medicine*, **1999**, 9, 147-52	6.9	22
69	Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. *ELife*, **2020**, 9,	8.9	22
68	Endothelial integrins and their role in maintaining the integrity of the vessel wall. *Kidney International*, **1993**, 43, 61-5	9.9	21
67	Emerging Pharmacologic Targets in Cerebral Cavernous Malformation and Potential Strategies to Alter the Natural History of a Difficult Disease: A Review. *JAMA Neurology*, **2019**, 76, 492-500	17.2	21
66	The endothelial adaptor molecule TSAd is required for VEGF-induced angiogenic sprouting through junctional c-Src activation. *Science Signaling*, **2016**, 9, ra72	8.8	20
65	An EMMPRIN-□catenin-Nm23 complex drives ATP production and actomyosin contractility at endothelial junctions. *Journal of Cell Science*, **2014**, 127, 3768-81	5.3	20
64	Intercellular junctions in the endothelium and the control of vascular permeability. *Annals of the New York Academy of Sciences*, **1997**, 811, 36-43; discussion 43-4	6.5	20
63	Impaired thromboxane production by newly formed platelets after aspirin administration to thrombocytopenic rats. *British Journal of Haematology*, **1980**, 46, 465-9	4.5	20
62	Endothelial cell disease: emerging knowledge from cerebral cavernous malformations. *Current Opinion in Hematology*, **2017**, 24, 256-264	3.3	19
61	Inhibition of human platelet thromboxane generation by aspirin in the absence of measurable drug levels in peripheral blood. *Biochemical Pharmacology*, **1985**, 34, 1839-41	6	19
60	Propranolol for familial cerebral cavernous malformation (Treat_CCM): study protocol for a randomized controlled pilot trial. *Trials*, **2020**, 21, 401	2.8	18
59	Effects of dipyridamole and low-dose aspirin therapy on platelet adhesion to vascular subendothelium. *American Journal of Cardiology*, **1986**, 58, 1261-4	3	18

58	Endothelial trans-differentiation in glioblastoma recurring after radiotherapy. *Modern Pathology*, **2018**, 31, 1361-1366	9.8	17
57	Opposite effects of tumor necrosis factor and soluble fibronectin on junctional adhesion molecule-A in endothelial cells. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2005**, 288, L1081-8	5.8	17
56	JAM-A Acts via C/EBP- to Promote Claudin-5 Expression and Enhance Endothelial Barrier Function. *Circulation Research*, **2020**, 127, 1056-1073	15.7	17
55	Endothelial cell transitions. *Science*, **2018**, 362, 746-747	33.3	17
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