Elisabetta Dejana

List of Publications by Year in Descending Order

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	Inflammation and neutrophil extracellular traps in cerebral cavernous malformation.. *Cellular and Molecular Life Sciences*, **2022**, 79, 206	10.3	1
236	A murine model of cerebral cavernous malformations with acute hemorrhage.. *IScience*, **2022**, 25, 103943	5.1	0
235	Transcriptome Analysis Reveals Altered Expression of Genes Involved in Hypoxia, Inflammation and Immune Regulation in Pdcd10-Depleted Mouse Endothelial Cells. *Genes*, **2022**, 13, 961	4.2	2
234	Propranolol Reduces the Development of Lesions and Rescues Barrier Function in Cerebral Cavernous Malformations: A Preclinical Study. *Stroke*, **2021**, 52, 1418-1427	6.7	9
233	Permeability of the Endothelial Barrier: Identifying and Reconciling Controversies. *Trends in Molecular Medicine*, **2021**, 27, 314-331	11.5	54
232	A dual role of YAP in driving TGF-mediated endothelial-to-mesenchymal transition. *Journal of Cell Science*, **2021**, 134,	5.3	1
231	Adaptive mechanoproperties mediated by the formin FMN1 characterize glioblastoma fitness for invasion. *Developmental Cell*, **2021**, 56, 2841-2855.e8	10.2	1
230	Reversibly Modulating the Blood-Brain Barrier by Laser Stimulation of Molecular-Targeted Nanoparticles. *Nano Letters*, **2021**, 21, 9805-9815	11.5	7
229	The multifaceted gene. *Genes and Diseases*, **2021**, 8, 798-813	6.6	2
228	Propranolol for familial cerebral cavernous malformation (Treat_CCM): study protocol for a randomized controlled pilot trial. *Trials*, **2020**, 21, 401	2.8	18
227	Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. *ELife*, **2020**, 9,	8.9	22
226	Mapping endothelial-cell diversity in cerebral cavernous malformations at single-cell resolution. *ELife*, **2020**, 9,	8.9	13
225	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
224	Fgfbp1 promotes blood-brain barrier development by regulating collagen IV deposition and maintaining Wnt/-catenin signaling. *Development (Cambridge)*, **2020**, 147,	6.6	10
223	Advancing brain barriers RNA sequencing: guidelines from experimental design to publication. *Fluids and Barriers of the CNS*, **2020**, 17, 51	7	6
222	c-Src controls stability of sprouting blood vessels in the developing retina independently of cell-cell adhesion through focal adhesion assembly. *Development (Cambridge)*, **2020**, 147,	6.6	7
221	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

220	Endothelial cell clonal expansion in the development of cerebral cavernous malformations. *Nature Communications*, **2019**, 10, 2761	17.4	48
219	Endothelial cell-derived nidogen-1 inhibits migration of SK-BR-3 breast cancer cells. *BMC Cancer*, **2019**, 19, 312	4.8	8
218	CDC42 Deletion Elicits Cerebral Vascular Malformations via Increased MEKK3-Dependent KLF4 Expression. *Circulation Research*, **2019**, 124, 1240-1252	15.7	27
217	Transient Photoinactivation of Cell Membrane Protein Activity without Genetic Modification by Molecular Hyperthermia. *ACS Nano*, **2019**, 13, 12487-12499	16.7	8
216	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. *ELife*, **2019**, 8,	8.9	24
215	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
214	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
213	VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression. *Circulation Research*, **2018**, 122, 231-245	15.7	32
212	Growth Differentiation Factor 6 Promotes Vascular Stability by Restraining Vascular Endothelial Growth Factor Signaling. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2018**, 38, 353-362	9.4	12
211	Endothelial trans-differentiation in glioblastoma recurring after radiotherapy. *Modern Pathology*, **2018**, 31, 1361-1366	9.8	17
210	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. *Cold Spring Harbor Perspectives in Biology*, **2018**, 10,	10.2	40
209	Resident Endothelial Progenitors Make Themselves at Home. *Cell Stem Cell*, **2018**, 23, 153-155	18	9
208	CD93 promotes β1 integrin activation and fibronectin fibrillogenesis during tumor angiogenesis. *Journal of Clinical Investigation*, **2018**, 128, 3280-3297	15.9	48
207	Endothelial cell transitions. *Science*, **2018**, 362, 746-747	33.3	17
206	Peg3/PW1 Is a Marker of a Subset of Vessel Associated Endothelial Progenitors. *Stem Cells*, **2017**, 35, 1328-1340	5.8	15
205	The molecular basis of endothelial cell plasticity. *Nature Communications*, **2017**, 8, 14361	17.4	208
204	SoxF factors induce Notch1 expression via direct transcriptional regulation during early arterial development. *Development (Cambridge)*, **2017**, 144, 2629-2639	6.6	28
203	Endothelial cell disease: emerging knowledge from cerebral cavernous malformations. *Current Opinion in Hematology*, **2017**, 24, 256-264	3.3	19

202	Deregulated TGF-/BMP Signaling in Vascular Malformations. *Circulation Research*, **2017**, 121, 981-999	15.7	57
201	Endothelial-to-Mesenchymal Transition in Bone Marrow and Spleen of Primary Myelofibrosis. *American Journal of Pathology*, **2017**, 187, 1879-1892	5.8	12
200	VE-Cadherin Phosphorylation Regulates Endothelial Fluid Shear Stress Responses through the Polarity Protein LGN. *Current Biology*, **2017**, 27, 2219-2225.e5	6.3	28
199	Targeting Vascular Endothelial-Cadherin in Tumor-Associated Blood Vessels Promotes T-cell-Mediated Immunotherapy. *Cancer Research*, **2017**, 77, 4434-4447	10.1	36
198	Catenin Is Required for Endothelial Cyp1b1 Regulation Influencing Metabolic Barrier Function. *Journal of Neuroscience*, **2016**, 36, 8921-35	6.6	27
197	Endothelial cells are progenitors of cardiac pericytes and vascular smooth muscle cells. *Nature Communications*, **2016**, 7, 12422	17.4	130
196	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
195	Glycolytic regulation of cell rearrangement in angiogenesis. *Nature Communications*, **2016**, 7, 12240	17.4	89
194	NEURODEVELOPMENT. Oligodendrocytes follow blood vessel trails in the brain. *Science*, **2016**, 351, 341-2	33.3	5
193	Endothelial Cells Lining Sporadic Cerebral Cavernous Malformation Cavernomas Undergo Endothelial-to-Mesenchymal Transition. *Stroke*, **2016**, 47, 886-90	6.7	41
192	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. *Journal of General Physiology*, **2016**, 147, 1472OIA9	3.4	
191	Partial loss of VE-cadherin improves long-term outcome and cerebral blood flow after transient brain ischemia in mice. *BMC Neurology*, **2016**, 16, 144	3.1	9
190	KLF4 is a key determinant in the development and progression of cerebral cavernous malformations. *EMBO Molecular Medicine*, **2016**, 8, 6-24	12	108
189	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. *Nature Communications*, **2016**, 7, 11017	17.4	77
188	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
187	Vascular endothelial growth factor C disrupts the endothelial lymphatic barrier to promote colorectal cancer invasion. *Gastroenterology*, **2015**, 148, 1438-51.e8	13.3	76
186	PW1/Peg3 expression regulates key properties that determine mesoangioblast stem cell competence. *Nature Communications*, **2015**, 6, 6364	17.4	57
185	The alternative splicing factor Nova2 regulates vascular development and lumen formation. *Nature Communications*, **2015**, 6, 8479	17.4	37

184	Defective autophagy is a key feature of cerebral cavernous malformations. *EMBO Molecular Medicine*, **2015**, 7, 1403-17	12	83
183	The role of microvascular endothelial WNT signaling the formation of the blood brain barrier. *SpringerPlus*, **2015**, 4, L47		2
182	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
181	Lessons from the first ecancer symposium on angiogenesis in gastric cancer. *Ecancermedicalscience*, **2015**, 9, 553	2.7	
180	A gut-vascular barrier controls the systemic dissemination of bacteria. *Science*, **2015**, 350, 830-4	33.3	269
179	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
178	The endothelial transcription factor ERG promotes vascular stability and growth through Wnt/β-catenin signaling. *Developmental Cell*, **2015**, 32, 82-96	10.2	124
177	The Pathological Modifications of the Blood Brain Barrier and Cerebral Cavernous Malformations. *FASEB Journal*, **2015**, 29, 81.1	0.9	
176	Inhibition of endothelial FAK activity prevents tumor metastasis by enhancing barrier function. *Journal of Cell Biology*, **2014**, 204, 247-63	7.3	121
175	Tumor vessel normalization by chloroquine independent of autophagy. *Cancer Cell*, **2014**, 26, 190-206	24.3	284
174	Signaling pathways in the specification of arteries and veins. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2014**, 34, 2372-7	9.4	66
173	VE-cadherin at a glance. *Cell and Tissue Research*, **2014**, 355, 515-22	4.2	34
172	Progesterone receptor in the vascular endothelium triggers physiological uterine permeability preimplantation. *Cell*, **2014**, 156, 549-62	56.2	49
171	An EMMPRIN-β-catenin-Nm23 complex drives ATP production and actomyosin contractility at endothelial junctions. *Journal of Cell Science*, **2014**, 127, 3768-81	5.3	20
170	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
169	Transcriptional regulation of arterial differentiation via Wnt, Sox and Notch. *Current Opinion in Hematology*, **2014**, 21, 229-34	3.3	27
168	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. *Genes and Development*, **2014**, 28, 1592-603	12.6	74
167	Differential adhesion drives angiogenesis. *Nature Cell Biology*, **2014**, 16, 305-6	23.4	10

166	Endothelial deficiency of L1 reduces tumor angiogenesis and promotes vessel normalization. *Journal of Clinical Investigation*, **2014**, 124, 4335-50	15.9	39
165	VE-cadherin and endothelial adherens junctions: active guardians of vascular integrity. *Developmental Cell*, **2013**, 26, 441-54	10.2	465
164	Endothelial adherens junctions at a glance. *Journal of Cell Science*, **2013**, 126, 2545-9	5.3	131
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	Accelerated endothelial wound healing on microstructured substrates under flow. *Biomaterials*, **2013**, 34, 1488-97	15.6	61
161	VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. *Nature Communications*, **2013**, 4, 1672	17.4	103
160	Sox17 is indispensable for acquisition and maintenance of arterial identity. *Nature Communications*, **2013**, 4, 2609	17.4	163
159	EndMT contributes to the onset and progression of cerebral cavernous malformations. *Nature*, **2013**, 498, 492-6	50.4	325
158	Vascular endothelial growth factor-angiopoietin chimera with improved properties for therapeutic angiogenesis. *Circulation*, **2013**, 127, 424-34	16.7	47
157	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
156	Overlapping and divergent signaling pathways of N-cadherin and VE-cadherin in endothelial cells. *Blood*, **2012**, 119, 2159-70	2.2	78
155	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
154	Vascular endothelial-cadherin and vascular stability. *Current Opinion in Hematology*, **2012**, 19, 218-23	3.3	134
153	Ve-ptp modulates vascular integrity by promoting adherens junction maturation. *PLoS ONE*, **2012**, 7, e51245	3.7	14
152	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
151	Abrogation of junctional adhesion molecule-A expression induces cell apoptosis and reduces breast cancer progression. *PLoS ONE*, **2011**, 6, e21242	3.7	41
150	Adhesion molecule signalling: not always a sticky business. *Nature Reviews Molecular Cell Biology*, **2011**, 12, 189-97	48.7	188
149	Developmental timing of CCM2 loss influences cerebral cavernous malformations in mice. *Journal of Experimental Medicine*, **2011**, 208, 1835-47	16.6	98

148	News from the brain: the GPR124 orphan receptor directs brain-specific angiogenesis. *Science Translational Medicine*, **2010**, 2, 58ps53	17.5	6
147	CCM1 regulates vascular-lumen organization by inducing endothelial polarity. *Journal of Cell Science*, **2010**, 123, 1073-80	5.3	140
146	The role of wnt signaling in physiological and pathological angiogenesis. *Circulation Research*, **2010**, 107, 943-52	15.7	250
145	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
144	The Wnt/beta-catenin pathway modulates vascular remodeling and specification by upregulating Dll4/Notch signaling. *Developmental Cell*, **2010**, 18, 938-49	10.2	225
143	Role of synectin in lymphatic development in zebrafish and frogs. *Blood*, **2010**, 116, 3356-66	2.2	33
142	Stable vascular connections and remodeling require full expression of VE-cadherin in zebrafish embryos. *PLoS ONE*, **2009**, 4, e5772	3.7	93
141	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
140	JAM-A promotes neutrophil chemotaxis by controlling integrin internalization and recycling. *Journal of Cell Science*, **2009**, 122, 268-77	5.3	75
139	VE-Cadherin-mediated cell-cell interaction suppresses sprouting via signaling to MLC2 phosphorylation. *Current Biology*, **2009**, 19, 668-74	6.3	122
138	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
137	The control of vascular integrity by endothelial cell junctions: molecular basis and pathological implications. *Developmental Cell*, **2009**, 16, 209-21	10.2	569
136	The molecular basis of vascular lumen formation in the developing mouse aorta. *Developmental Cell*, **2009**, 17, 505-15	10.2	272
135	Levels of circulating pro-angiogenic cells predict cardiovascular outcomes in patients with chronic heart failure. *Journal of Cardiac Failure*, **2009**, 15, 747-55	3.3	8
134	Heterozygous deficiency of PHD2 restores tumor oxygenation and inhibits metastasis via endothelial normalization. *Cell*, **2009**, 136, 839-851	56.2	642
133	Endothelial cell migration directs testis cord formation. *Developmental Biology*, **2009**, 326, 112-20	3.1	136
132	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
131	VE-cadherin is a critical endothelial regulator of TGF-beta signalling. *EMBO Journal*, **2008**, 27, 993-1004	13	126

130	Deciphering the functional role of endothelial junctions by using in vivo models. *EMBO Reports*, **2008**, 9, 742-7	6.5	27
129	Sox18 induces development of the lymphatic vasculature in mice. *Nature*, **2008**, 456, 643-7	50.4	405
128	Endothelial adherens junctions control tight junctions by VE-cadherin-mediated upregulation of claudin-5. *Nature Cell Biology*, **2008**, 10, 923-34	23.4	459
127	Adherens junctions. *Current Biology*, **2008**, 18, R1080-2	6.3	30
126	Unique role of junctional adhesion molecule-a in maintaining mucosal homeostasis in inflammatory bowel disease. *Gastroenterology*, **2008**, 135, 173-84	13.3	184
125	Fate tracing reveals the endothelial origin of hematopoietic stem cells. *Cell Stem Cell*, **2008**, 3, 625-36	18	487
124	Methods of Stochastic Geometry and Related Statistical Problems in the Analysis and Therapy of Tumour Growth and Tumour Driven Angiogenesis **2008**, 1-37		2
123	Wnt/beta-catenin signaling controls development of the blood-brain barrier. *Journal of Cell Biology*, **2008**, 183, 409-17	7.3	550
122	Combinatorial interaction between CCM pathway genes precipitates hemorrhagic stroke. *DMM Disease Models and Mechanisms*, **2008**, 1, 275-81	4.1	60
121	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
120	Sox18 and Sox7 play redundant roles in vascular development. *Blood*, **2008**, 111, 2657-66	2.2	155
119	Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. *Journal of Cell Science*, **2008**, 121, 29-37	5.3	137
118	Transcription factor Erg regulates angiogenesis and endothelial apoptosis through VE-cadherin. *Blood*, **2008**, 111, 3498-506	2.2	188
117	Immune regulation by microvascular endothelial cells: directing innate and adaptive immunity, coagulation, and inflammation. *Journal of Immunology*, **2007**, 178, 6017-22	5.3	223
116	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
115	Hepatocyte-conditioned medium sustains endothelial differentiation of human hematopoietic-endothelial progenitors. *Hepatology*, **2007**, 45, 1218-28	11.2	12
114	The role of junctional adhesion molecules in vascular inflammation. *Nature Reviews Immunology*, **2007**, 7, 467-77	36.5	387
113	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

112	The control of endothelial cell functions by adherens junctions. *Novartis Foundation Symposium*, **2007**, 283, 4-13; discussion 13-7, 238-41		27
111	SIRT1 controls endothelial angiogenic functions during vascular growth. *Genes and Development*, **2007**, 21, 2644-58	12.6	464
110	Functionally specialized junctions between endothelial cells of lymphatic vessels. *Journal of Experimental Medicine*, **2007**, 204, 2349-62	16.6	670
109	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
108	Adherens junctions in endothelial cells regulate vessel maintenance and angiogenesis. *Thrombosis Research*, **2007**, 120 Suppl 2, S1-6	8.2	68
107	Functionally specialized junctions between endothelial cells of lymphatic vessels. *Journal of Cell Biology*, **2007**, 178, i15-i15	7.3	
106	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
105	Increase in vascular permeability and vasodilation are critical for proangiogenic effects of stem cell therapy. *Circulation*, **2006**, 114, 328-38	16.7	74
104	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
103	The multiple languages of endothelial cell-to-cell communication. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2006**, 26, 1431-8	9.4	80
102	Endothelial cadherins and tumor angiogenesis. *Experimental Cell Research*, **2006**, 312, 659-67	4.2	112
101	Vascular endothelial cadherin controls VEGFR-2 internalization and signaling from intracellular compartments. *Journal of Cell Biology*, **2006**, 174, 593-604	7.3	428
100	Generation and characterization of a mouse lymphatic endothelial cell line. *Cell and Tissue Research*, **2006**, 325, 91-100	4.2	50
99	Epac1 regulates integrity of endothelial cell junctions through VE-cadherin. *FEBS Letters*, **2005**, 579, 4966-72	3.3	248
98	Junctional adhesion molecule-A deficiency increases hepatic ischemia-reperfusion injury despite reduction of neutrophil transendothelial migration. *Blood*, **2005**, 106, 725-33	2.2	86
97	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
96	A mechanosensory complex that mediates the endothelial cell response to fluid shear stress. *Nature*, **2005**, 437, 426-31	50.4	1247
95	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

94	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
93	Expression of junctional adhesion molecule-A prevents spontaneous and random motility. *Journal of Cell Science*, **2005**, 118, 623-32	5.3	73
92	p120-Catenin regulates clathrin-dependent endocytosis of VE-cadherin. *Molecular Biology of the Cell*, **2005**, 16, 5141-51	3.5	210
91	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
90	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
89	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
88	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
87	Endothelial Cell Permeability Assays in Culture **2004**, 103-113		2
86	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
85	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
84	Endothelial cell-to-cell junctions: molecular organization and role in vascular homeostasis. *Physiological Reviews*, **2004**, 84, 869-901	47.9	920
83	Endothelial cell-cell junctions: happy together. *Nature Reviews Molecular Cell Biology*, **2004**, 5, 261-70	48.7	876
82	VE-cadherin expression and clustering maintain low levels of survivin in endothelial cells. *American Journal of Pathology*, **2004**, 165, 181-9	5.8	32
81	Gas1 is induced by VE-cadherin and vascular endothelial growth factor and inhibits endothelial cell apoptosis. *Blood*, **2004**, 103, 3005-12	2.2	63
80	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
79	Skeletal myogenic progenitors in the endothelium of lung and yolk sac. *Experimental Cell Research*, **2003**, 290, 207-16	4.2	16
78	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
77	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

76	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
75	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
74	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
73	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
72	Keratinocyte junctions and the epidermal barrier: how to make a skin-tight dress. *Journal of Cell Biology*, **2002**, 156, 947-9	7.3	22
71	A monoclonal antibody to vascular endothelial-cadherin inhibits tumor angiogenesis without side effects on endothelial permeability. *Blood*, **2002**, 100, 905-11	2.2	168
70	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
69	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
68	Dynamic modules and heterogeneity of function: a lesson from tyrosine kinase receptors in endothelial cells. *EMBO Reports*, **2001**, 2, 763-7	6.5	24
67	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
66	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
65	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
64	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
63	Interendothelial Junctions and their Role in the Control of Angiogenesis, Vascular Permeability and Leukocyte Transmigration. *Thrombosis and Haemostasis*, **2001**, 86, 308-315	7	173
62	Pores in the Sieve and Channels in the Wall: Control of Paracellular Permeability by Junctional Proteins in Endothelial Cells **2001**, 8, 143		4
61	cDNA cloning, chromosomal mapping, and expression analysis of human VE-Cadherin-2. *Mammalian Genome*, **2000**, 11, 1030-3	3.2	12
60	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
59	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

58	Homophilic interaction of junctional adhesion molecule. *Journal of Biological Chemistry*, **2000**, 275, 30979-89	5.4	113
57	Histamine induces tyrosine phosphorylation of endothelial cell-to-cell adherens junctions. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1999**, 19, 2286-97	9.4	200
56	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
55	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
54	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
53	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
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