

Elisabetta Dejana

List of Publications by Year in descending order

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240
papers

36,748
citations

2671

95
h-index

3181

186
g-index

249
all docs

249
docs citations

249
times ranked

33158
citing authors

#	ARTICLE	IF	CITATIONS
1	A mechanosensory complex that mediates the endothelial cell response to fluid shear stress. <i>Nature</i> , 2005, 437, 426-431.	13.7	1,457
2	Junctional Adhesion Molecule, a Novel Member of the Immunoglobulin Superfamily That Distributes at Intercellular Junctions and Modulates Monocyte Transmigration. <i>Journal of Cell Biology</i> , 1998, 142, 117-127.	2.3	1,248
3	Targeted Deficiency or Cytosolic Truncation of the VE-cadherin Gene in Mice Impairs VEGF-Mediated Endothelial Survival and Angiogenesis. <i>Cell</i> , 1999, 98, 147-157.	13.5	1,167
4	Endothelial Cell-to-Cell Junctions: Molecular Organization and Role in Vascular Homeostasis. <i>Physiological Reviews</i> , 2004, 84, 869-901.	13.1	1,097
5	Endothelial cell-cell junctions: happy together. <i>Nature Reviews Molecular Cell Biology</i> , 2004, 5, 261-270.	16.1	1,011
6	Functionally specialized junctions between endothelial cells of lymphatic vessels. <i>Journal of Experimental Medicine</i> , 2007, 204, 2349-2362.	4.2	829
7	The role of adherens junctions and VE-cadherin in the control of vascular permeability. <i>Journal of Cell Science</i> , 2008, 121, 2115-2122.	1.2	808
8	Heterozygous Deficiency of PHD2 Restores Tumor Oxygenation and Inhibits Metastasis via Endothelial Normalization. <i>Cell</i> , 2009, 136, 839-851.	13.5	727
9	The Control of Vascular Integrity by Endothelial Cell Junctions: Molecular Basis and Pathological Implications. <i>Developmental Cell</i> , 2009, 16, 209-221.	3.1	692
10	Wnt/ β -catenin signaling controls development of the blood-brain barrier. <i>Journal of Cell Biology</i> , 2008, 183, 409-417.	2.3	680
11	Cytokine regulation of endothelial cell function. <i>FASEB Journal</i> , 1992, 6, 2591-2599.	0.2	643
12	VE-Cadherin and Endothelial Adherens Junctions: Active Guardians of Vascular Integrity. <i>Developmental Cell</i> , 2013, 26, 441-454.	3.1	637
13	Vascular endothelial-cadherin is an important determinant of microvascular integrity in vivo. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1999, 96, 9815-9820.	3.3	626
14	Fate Tracing Reveals the Endothelial Origin of Hematopoietic Stem Cells. <i>Cell Stem Cell</i> , 2008, 3, 625-636.	5.2	600
15	Endothelial PDGF-B retention is required for proper investment of pericytes in the microvessel wall. <i>Genes and Development</i> , 2003, 17, 1835-1840.	2.7	557
16	SIRT1 controls endothelial angiogenic functions during vascular growth. <i>Genes and Development</i> , 2007, 21, 2644-2658.	2.7	540
17	Endothelial adherens junctions control tight junctions by VE-cadherin-mediated upregulation of claudin-5. <i>Nature Cell Biology</i> , 2008, 10, 923-934.	4.6	538
18	Sox18 induces development of the lymphatic vasculature in mice. <i>Nature</i> , 2008, 456, 643-647.	13.7	483

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19	Vascular endothelial cadherin controls VEGFR-2 internalization and signaling from intracellular compartments. <i>Journal of Cell Biology</i> , 2006, 174, 593-604.	2.3	480
20	A gut-vascular barrier controls the systemic dissemination of bacteria. <i>Science</i> , 2015, 350, 830-834.	6.0	446
21	Heterogeneity of Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997, 17, 1193-1202.	1.1	445
22	The role of junctional adhesion molecules in vascular inflammation. <i>Nature Reviews Immunology</i> , 2007, 7, 467-477.	10.6	431
23	Endothelial cell-cell junctions. <i>FASEB Journal</i> , 1995, 9, 910-918.	0.2	422
24	Interaction of Junctional Adhesion Molecule with the Tight Junction Components ZO-1, Cingulin, and Occludin. <i>Journal of Biological Chemistry</i> , 2000, 275, 20520-20526.	1.6	411
25	EndMT contributes to the onset and progression of cerebral cavernous malformations. <i>Nature</i> , 2013, 498, 492-496.	13.7	403
26	Phosphorylation of VE-cadherin is modulated by haemodynamic forces and contributes to the regulation of vascular permeability in vivo. <i>Nature Communications</i> , 2012, 3, 1208.	5.8	387
27	Contact inhibition of VEGF-induced proliferation requires vascular endothelial cadherin, β -catenin, and the phosphatase DEP-1/CD148. <i>Journal of Cell Biology</i> , 2003, 161, 793-804.	2.3	374
28	Tumor Vessel Normalization by Chloroquine Independent of Autophagy. <i>Cancer Cell</i> , 2014, 26, 190-206.	7.7	358
29	Cardiomyocytes induce endothelial cells to trans-differentiate into cardiac muscle: Implications for myocardium regeneration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2001, 98, 10733-10738.	3.3	357
30	β -Catenin is required for endothelial-mesenchymal transformation during heart cushion development in the mouse. <i>Journal of Cell Biology</i> , 2004, 166, 359-367.	2.3	344
31	The molecular basis of endothelial cell plasticity. <i>Nature Communications</i> , 2017, 8, 14361.	5.8	333
32	The Molecular Basis of Vascular Lumen Formation in the Developing Mouse Aorta. <i>Developmental Cell</i> , 2009, 17, 505-515.	3.1	315
33	VEGF receptor 2 and the adherens junction as a mechanical transducer in vascular endothelial cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 9462-9467.	3.3	308
34	The conditional inactivation of the β -catenin gene in endothelial cells causes a defective vascular pattern and increased vascular fragility. <i>Journal of Cell Biology</i> , 2003, 162, 1111-1122.	2.3	297
35	The Role of Wnt Signaling in Physiological and Pathological Angiogenesis. <i>Circulation Research</i> , 2010, 107, 943-952.	2.0	296
36	Thrombin-Induced Increase in Endothelial Permeability Is Associated With Changes in Cell-to-Cell Junction Organization. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1996, 16, 488-496.	1.1	290

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37	Differential Localization of VE- and N-Cadherins in Human Endothelial Cells: VE-Cadherin Competes with N-Cadherin for Junctional Localization. <i>Journal of Cell Biology</i> , 1998, 140, 1475-1484.	2.3	282
38	Monoclonal antibodies directed to different regions of vascular endothelial cadherin extracellular domain affect adhesion and clustering of the protein and modulate endothelial permeability. <i>Blood</i> , 2001, 97, 1679-1684.	0.6	276
39	The Wnt/ β -Catenin Pathway Modulates Vascular Remodeling and Specification by Upregulating Dll4/Notch Signaling. <i>Developmental Cell</i> , 2010, 18, 938-949.	3.1	274
40	Epac1 regulates integrity of endothelial cell junctions through VE-cadherin. <i>FEBS Letters</i> , 2005, 579, 4966-4972.	1.3	272
41	Permeability of the Endothelial Barrier: Identifying and Reconciling Controversies. <i>Trends in Molecular Medicine</i> , 2021, 27, 314-331.	3.5	272
42	Leukocyte Recruitment in the Cerebrospinal Fluid of Mice with Experimental Meningitis Is Inhibited by an Antibody to Junctional Adhesion Molecule (Jam). <i>Journal of Experimental Medicine</i> , 1999, 190, 1351-1356.	4.2	268
43	Immune Regulation by Microvascular Endothelial Cells: Directing Innate and Adaptive Immunity, Coagulation, and Inflammation. <i>Journal of Immunology</i> , 2007, 178, 6017-6022.	0.4	255
44	Regulation of Cadherin Function by Rho and Rac: Modulation by Junction Maturation and Cellular Context. <i>Molecular Biology of the Cell</i> , 1999, 10, 9-22.	0.9	246
45	p120-Catenin Regulates Clathrin-dependent Endocytosis of VE-Cadherin. <i>Molecular Biology of the Cell</i> , 2005, 16, 5141-5151.	0.9	233
46	Sox17 is indispensable for acquisition and maintenance of arterial identity. <i>Nature Communications</i> , 2013, 4, 2609.	5.8	232
47	Adhesion molecule signalling: not always a sticky business. <i>Nature Reviews Molecular Cell Biology</i> , 2011, 12, 189-197.	16.1	228
48	VE-Cadherin Regulates Endothelial Actin Activating Rac and Increasing Membrane Association of Tiam. <i>Molecular Biology of the Cell</i> , 2002, 13, 1175-1189.	0.9	226
49	Transcription factor Erg regulates angiogenesis and endothelial apoptosis through VE-cadherin. <i>Blood</i> , 2008, 111, 3498-3506.	0.6	222
50	Histamine Induces Tyrosine Phosphorylation of Endothelial Cell-to-Cell Adherens Junctions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 2286-2297.	1.1	219
51	Vascular Endothelial (VE)-Cadherin: Only an Intercellular Glue?. <i>Experimental Cell Research</i> , 1999, 252, 13-19.	1.2	217
52	Interendothelial junctions: structure, signalling and functional roles. <i>Current Opinion in Cell Biology</i> , 1997, 9, 674-682.	2.6	210
53	Unique Role of Junctional Adhesion Molecule-A in Maintaining Mucosal Homeostasis in Inflammatory Bowel Disease. <i>Gastroenterology</i> , 2008, 135, 173-184.	0.6	210
54	X-ray structure of junctional adhesion molecule: structural basis for homophilic adhesion via a novel dimerization motif. <i>EMBO Journal</i> , 2001, 20, 4391-4398.	3.5	200

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55	Catenin-dependent and -independent Functions of Vascular Endothelial Cadherin. <i>Journal of Biological Chemistry</i> , 1995, 270, 30965-30972.	1.6	195
56	The Endothelial Transcription Factor ERG Promotes Vascular Stability and Growth through Wnt/ β 2-Catenin Signaling. <i>Developmental Cell</i> , 2015, 32, 82-96.	3.1	190
57	A monoclonal antibody to vascular endothelial β 1-cadherin inhibits tumor angiogenesis without side effects on endothelial permeability. <i>Blood</i> , 2002, 100, 905-911.	0.6	188
58	Interendothelial Junctions and their Role in the Control of Angiogenesis, Vascular Permeability and Leukocyte Transmigration. <i>Thrombosis and Haemostasis</i> , 2001, 86, 308-315.	1.8	186
59	Bleeding time in laboratory animals. II - A comparison of different assay conditions in rats. <i>Thrombosis Research</i> , 1979, 15, 191-197.	0.8	183
60	Organization and signaling of endothelial cell-to-cell junctions in various regions of the blood and lymphatic vascular trees. <i>Cell and Tissue Research</i> , 2009, 335, 17-25.	1.5	181
61	Endothelial cells are progenitors of cardiac pericytes and vascular smooth muscle cells. <i>Nature Communications</i> , 2016, 7, 12422.	5.8	181
62	Sox18 and Sox7 play redundant roles in vascular development. <i>Blood</i> , 2008, 111, 2657-2666.	0.6	179
63	Endothelial cell activation leads to neutrophil transmigration as supported by the sequential roles of ICAM-2, JAM-A, and PECAM-1. <i>Blood</i> , 2009, 113, 6246-6257.	0.6	168
64	Identification and characterisation of human Junctional Adhesion Molecule (JAM). <i>Molecular Immunology</i> , 1999, 36, 1175-1188.	1.0	165
65	Endothelial cell migration directs testis cord formation. <i>Developmental Biology</i> , 2009, 326, 112-120.	0.9	164
66	Inhibition of endothelial FAK activity prevents tumor metastasis by enhancing barrier function. <i>Journal of Cell Biology</i> , 2014, 204, 247-263.	2.3	163
67	Histone deacetylase activity is essential for the expression of HoxA9 and for endothelial commitment of progenitor cells. <i>Journal of Experimental Medicine</i> , 2005, 201, 1825-1835.	4.2	161
68	The Role of VE-Cadherin in Vascular Morphogenesis and Permeability Control. <i>Progress in Molecular Biology and Translational Science</i> , 2013, 116, 119-144.	0.9	161
69	CCM1 regulates vascular-lumen organization by inducing endothelial polarity. <i>Journal of Cell Science</i> , 2010, 123, 1073-1080.	1.2	157
70	Vascular endothelial-cadherin and vascular stability. <i>Current Opinion in Hematology</i> , 2012, 19, 218-223.	1.2	156
71	VE-cadherin is not required for the formation of nascent blood vessels but acts to prevent their disassembly. <i>Blood</i> , 2005, 105, 2771-2776.	0.6	152
72	Endothelial adherens junctions at a glance. <i>Journal of Cell Science</i> , 2013, 126, 2545-9.	1.2	152

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73	Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. <i>Journal of Cell Science</i> , 2008, 121, 29-37.	1.2	148
74	VE-cadherin is a critical endothelial regulator of TGF- β 2 signalling. <i>EMBO Journal</i> , 2008, 27, 993-1004.	3.5	146
75	Increased DC trafficking to lymph nodes and contact hypersensitivity in junctional adhesion molecule-A-deficient mice. <i>Journal of Clinical Investigation</i> , 2004, 114, 729-738.	3.9	142
76	KLF4 is a key determinant in the development and progression of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2016, 8, 6-24.	3.3	141
77	VE-Cadherin-Mediated Cell-Cell Interaction Suppresses Sprouting via Signaling to MLC2 Phosphorylation. <i>Current Biology</i> , 2009, 19, 668-674.	1.8	138
78	Endothelial cadherins and tumor angiogenesis. <i>Experimental Cell Research</i> , 2006, 312, 659-667.	1.2	134
79	Homophilic Interaction of Junctional Adhesion Molecule. <i>Journal of Biological Chemistry</i> , 2000, 275, 30970-30976.	1.6	133
80	Glycolytic regulation of cell rearrangement in angiogenesis. <i>Nature Communications</i> , 2016, 7, 12240.	5.8	131
81	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. <i>Blood</i> , 2007, 110, 1848-1856.	0.6	126
82	The role of JAM-A and PECAM-1 in modulating leukocyte infiltration in inflamed and ischemic tissues. <i>Journal of Leukocyte Biology</i> , 2006, 80, 714-718.	1.5	121
83	VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. <i>Nature Communications</i> , 2013, 4, 1672.	5.8	120
84	PW1/Peg3 expression regulates key properties that determine mesoangioblast stem cell competence. <i>Nature Communications</i> , 2015, 6, 6364.	5.8	120
85	Endoglin Null Endothelial Cells Proliferate Faster and Are More Responsive to Transforming Growth Factor β 1 with Higher Affinity Receptors and an Activated Alk1 Pathway. <i>Journal of Biological Chemistry</i> , 2005, 280, 27800-27808.	1.6	118
86	Developmental timing of CCM2 loss influences cerebral cavernous malformations in mice. <i>Journal of Experimental Medicine</i> , 2011, 208, 1835-1847.	4.2	118
87	Association of Junctional Adhesion Molecule with Calcium/calmodulin-dependent Serine Protein Kinase (CASK/LIN-2) in Human Epithelial Caco-2 Cells. <i>Journal of Biological Chemistry</i> , 2001, 276, 9291-9296.	1.6	116
88	Angiopoietin 2 regulates the transformation and integrity of lymphatic endothelial cell junctions. <i>Genes and Development</i> , 2014, 28, 1592-1603.	2.7	115
89	Vascular Endothelial Growth Factor C Disrupts the Endothelial Lymphatic Barrier to Promote Colorectal Cancer Invasion. <i>Gastroenterology</i> , 2015, 148, 1438-1451.e8.	0.6	114
90	Junctional adhesion molecule-A-deficient polymorphonuclear cells show reduced diapedesis in peritonitis and heart ischemia-reperfusion injury. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 10634-10639.	3.3	113

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91	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. <i>Nature Communications</i> , 2016, 7, 11017.	5.8	111
92	Defective autophagy is a key feature of cerebral cavernous malformations. <i>EMBO Molecular Medicine</i> , 2015, 7, 1403-1417.	3.3	109
93	Stable Vascular Connections and Remodeling Require Full Expression of VE-Cadherin in Zebrafish Embryos. <i>PLoS ONE</i> , 2009, 4, e5772.	1.1	107
94	Sulindac metabolites decrease cerebrovascular malformations in <i>CCM3</i> -knockout mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 8421-8426.	3.3	102
95	CD93 promotes β 1 integrin activation and fibronectin fibrillogenesis during tumor angiogenesis. <i>Journal of Clinical Investigation</i> , 2018, 128, 3280-3297.	3.9	100
96	Development of Endothelial Cell Lines From Embryonic Stem Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000, 20, 1443-1451.	1.1	99
97	Junctional adhesion molecule-A deficiency increases hepatic ischemia-reperfusion injury despite reduction of neutrophil transendothelial migration. <i>Blood</i> , 2005, 106, 725-733.	0.6	99
98	Contribution of JAM-1 to epithelial differentiation and tight-junction biogenesis in the mouse preimplantation embryo. <i>Journal of Cell Science</i> , 2004, 117, 5599-5608.	1.2	98
99	The Multiple Languages of Endothelial Cell-to-Cell Communication. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, 1431-1438.	1.1	98
100	Effects of Exercise Training on Endothelial Progenitor Cells in Patients With Chronic Heart Failure. <i>Journal of Cardiac Failure</i> , 2007, 13, 701-708.	0.7	95
101	In Vitro Degradation of Endothelial Catenins by a Neutrophil Protease. <i>Journal of Cell Biology</i> , 1998, 140, 403-407.	2.3	91
102	Wnt Activation of Immortalized Brain Endothelial Cells as a Tool for Generating a Standardized Model of the Blood Brain Barrier In Vitro. <i>PLoS ONE</i> , 2013, 8, e70233.	1.1	91
103	Selective targeting of angiogenic tumor vasculature by vascular endothelial-cadherin antibody inhibits tumor growth without affecting vascular permeability. <i>Cancer Research</i> , 2002, 62, 2567-75.	0.4	91
104	Mesoangioblasts, Vessel-Associated Multipotent Stem Cells, Repair the Infarcted Heart by Multiple Cellular Mechanisms. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005, 25, 692-697.	1.1	88
105	Overlapping and divergent signaling pathways of N-cadherin and VE-cadherin in endothelial cells. <i>Blood</i> , 2012, 119, 2159-2170.	0.6	87
106	Endothelial cell clonal expansion in the development of cerebral cavernous malformations. <i>Nature Communications</i> , 2019, 10, 2761.	5.8	87
107	Foxs and Ets in the transcriptional regulation of endothelial cell differentiation and angiogenesis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2007, 1775, 298-312.	3.3	86
108	Signaling Pathways in the Specification of Arteries and Veins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 2372-2377.	1.1	86

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109	Increase in Vascular Permeability and Vasodilation Are Critical for Proangiogenic Effects of Stem Cell Therapy. <i>Circulation</i> , 2006, 114, 328-338.	1.6	84
110	Deregulated TGF- β /BMP Signaling in Vascular Malformations. <i>Circulation Research</i> , 2017, 121, 981-999.	2.0	83
111	<i>Sox7</i> and <i>Sox17</i> are strain-specific modifiers of the lymphangiogenic defects caused by <i>Sox18</i> dysfunction in mice. <i>Development (Cambridge)</i> , 2009, 136, 2385-2391.	1.2	82
112	JAM-A promotes neutrophil chemotaxis by controlling integrin internalization and recycling. <i>Journal of Cell Science</i> , 2009, 122, 268-277.	1.2	81
113	Expression of junctional adhesion molecule-A prevents spontaneous and random motility. <i>Journal of Cell Science</i> , 2005, 118, 623-632.	1.2	78
114	Adherens junctions in endothelial cells regulate vessel maintenance and angiogenesis. <i>Thrombosis Research</i> , 2007, 120, S1-S6.	0.8	76
115	The molecular basis of the blood brain barrier differentiation and maintenance. Is it still a mystery?. <i>Pharmacological Research</i> , 2011, 63, 165-171.	3.1	76
116	Co-expression of endothelial cell and macrophage antigens in Kaposi's sarcoma cells. <i>Journal of Pathology</i> , 1994, 173, 23-31.	2.1	75
117	Vascular Endothelial (VE)-Cadherin, Endothelial Adherens Junctions, and Vascular Disease. <i>Cold Spring Harbor Perspectives in Biology</i> , 2018, 10, a029322.	2.3	75
118	Accelerated endothelial wound healing on microstructured substrates under flow. <i>Biomaterials</i> , 2013, 34, 1488-1497.	5.7	71
119	Vascular Endothelial Growth Factor Induces Shc Association With Vascular Endothelial Cadherin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2002, 22, 617-622.	1.1	69
120	Gas1 is induced by VE-cadherin and vascular endothelial growth factor and inhibits endothelial cell apoptosis. <i>Blood</i> , 2004, 103, 3005-3012.	0.6	66
121	Combinatorial interaction between CCM pathway genes precipitates hemorrhagic stroke. <i>DMM Disease Models and Mechanisms</i> , 2008, 1, 275-281.	1.2	66
122	Endothelial adhesion molecules in the development of the vascular tree: the garden of forking paths. <i>Current Opinion in Cell Biology</i> , 1999, 11, 573-581.	2.6	65
123	Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. <i>ELife</i> , 2020, 9, .	2.8	65
124	Fine-Tuning of Sox17 and Canonical Wnt Coordinates the Permeability Properties of the Blood-Brain Barrier. <i>Circulation Research</i> , 2019, 124, 511-525.	2.0	64
125	Importance of Junctional Adhesion Molecule-A for Neointimal Lesion Formation and Infiltration in Atherosclerosis-Prone Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2006, 26, e10-3.	1.1	63
126	Identification of a Novel Cadherin (Vascular Endothelial Cadherin-2) Located at Intercellular Junctions in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 1998, 273, 17565-17572.	1.6	62

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127	Progesterone Receptor in the Vascular Endothelium Triggers Physiological Uterine Permeability Preimplantation. <i>Cell</i> , 2014, 156, 549-562.	13.5	62
128	The actin-binding protein EPS8 binds VE-cadherin and modulates YAP localization and signaling. <i>Journal of Cell Biology</i> , 2015, 211, 1177-1192.	2.3	62
129	JAM-A Acts via C/EBP- β to Promote Claudin-5 Expression and Enhance Endothelial Barrier Function. <i>Circulation Research</i> , 2020, 127, 1056-1073.	2.0	60
130	Expression of VE (vascular endothelial)-cadherin and other endothelial-specific markers in haemangiomas. <i>Journal of Pathology</i> , 1995, 175, 51-57.	2.1	59
131	Pores in the Sieve and Channels in the Wall: Control of Paracellular Permeability by Junctional Proteins in Endothelial Cells. <i>Microcirculation</i> , 2001, 8, 143-152.	1.0	59
132	Alteration of Interendothelial Adherens Junctions Following Tumor Cell-Endothelial Cell Interaction in Vitro. <i>Experimental Cell Research</i> , 1997, 237, 347-356.	1.2	56
133	Generation and characterization of a mouse lymphatic endothelial cell line. <i>Cell and Tissue Research</i> , 2006, 325, 91-100.	1.5	56
134	VE-Cadherin-Mediated Epigenetic Regulation of Endothelial Gene Expression. <i>Circulation Research</i> , 2018, 122, 231-245.	2.0	54
135	Endothelial β -Catenin Signaling Supports Postnatal Brain and Retinal Angiogenesis by Promoting Sprouting, Tip Cell Formation, and VEGFR (Vascular Endothelial Growth Factor Receptor) 2 Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 2273-2288.	1.1	54
136	Vascular Endothelial Growth Factor-Angiopoietin Chimera With Improved Properties for Therapeutic Angiogenesis. <i>Circulation</i> , 2013, 127, 424-434.	1.6	53
137	VE-Cadherin Phosphorylation Regulates Endothelial Fluid Shear Stress Responses through the Polarity Protein LGN. <i>Current Biology</i> , 2017, 27, 2219-2225.e5.	1.8	53
138	New insights in the control of vascular permeability. <i>Current Opinion in Hematology</i> , 2015, 22, 267-272.	1.2	52
139	Endothelial Cells Lining Sporadic Cerebral Cavernous Malformation Cavernomas Undergo Endothelial-to-Mesenchymal Transition. <i>Stroke</i> , 2016, 47, 886-890.	1.0	52
140	Targeting Vascular Endothelial-Cadherin in Tumor-Associated Blood Vessels Promotes T-cell-Mediated Immunotherapy. <i>Cancer Research</i> , 2017, 77, 4434-4447.	0.4	52
141	Evidence that Vascular Endothelial Cells Can Induce the Retraction of Fibrin Clots. <i>Experimental Biology and Medicine</i> , 1981, 168, 204-207.	1.1	51
142	The alternative splicing factor Nova2 regulates vascular development and lumen formation. <i>Nature Communications</i> , 2015, 6, 8479.	5.8	50
143	Differences in inhibition of PGI ₂ production by aspirin in rabbit artery and vein segments. <i>Thrombosis Research</i> , 1980, 20, 447-460.	0.8	49
144	Abrogation of Junctional Adhesion Molecule-A Expression Induces Cell Apoptosis and Reduces Breast Cancer Progression. <i>PLoS ONE</i> , 2011, 6, e21242.	1.1	49

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145	Reversibly Modulating the Blood–Brain Barrier by Laser Stimulation of Molecular-Targeted Nanoparticles. <i>Nano Letters</i> , 2021, 21, 9805-9815.	4.5	49
146	Genomic Structure and Chromosomal Mapping of the Mouse VE-Cadherin Gene (Cdh5). <i>Genomics</i> , 1996, 32, 21-28.	1.3	48
147	Endothelial deficiency of L1 reduces tumor angiogenesis and promotes vessel normalization. <i>Journal of Clinical Investigation</i> , 2014, 124, 4335-4350.	3.9	46
148	1 Endothelial cell-to-cell junctions. Structural characteristics and functional role in the regulation of vascular permeability and leukocyte extravasation. <i>Best Practice and Research: Clinical Haematology</i> , 1993, 6, 539-558.	1.1	45
149	VE-cadherin at a glance. <i>Cell and Tissue Research</i> , 2014, 355, 515-522.	1.5	43
150	SoxF factors induce Notch1 expression via direct transcriptional regulation during early arterial development. <i>Development (Cambridge)</i> , 2017, 144, 2629-2639.	1.2	43
151	Endothelial cell transitions. <i>Science</i> , 2018, 362, 746-747.	6.0	42
152	CDC42 Deletion Elicits Cerebral Vascular Malformations via Increased MEKK3-Dependent KLF4 Expression. <i>Circulation Research</i> , 2019, 124, 1240-1252.	2.0	42
153	Mapping endothelial-cell diversity in cerebral cavernous malformations at single-cell resolution. <i>ELife</i> , 2020, 9, .	2.8	42
154	Prostaglandins I2 and E1 reduce rabbit and human platelet adherence without inhibiting serotonin release from adherent platelets. <i>Thrombosis Research</i> , 1979, 15, 273-279.	0.8	41
155	Specific binding of human fibrinogen to cultured human fibroblasts. Evidence for the involvement of the E domain. <i>FEBS Journal</i> , 1984, 139, 657-662.	0.2	38
156	A novel L1CAM isoform with angiogenic activity generated by NOVA2-mediated alternative splicing. <i>ELife</i> , 2019, 8, .	2.8	38
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