Dietmar Vestweber

List of Publications by Year in Descending Order

235 papers	20,700 citations	83 h-index	139 g-index
335 ext. papers	22,971 ext. citations	8.8 avg, IF	6.82 L-index

#	Paper	IF	Citations
235	The Pathogenesis of Ischemia-Reperfusion Induced Acute Kidney Injury Depends on Renal Neutrophil Recruitment Whereas Sepsis-Induced AKI Does Not.. *Frontiers in Immunology*, **2022**, 13, 843782	8.4	0
234	Circadian clocks guide dendritic cells into skin lymphatics. *Nature Immunology*, **2021**, 22, 1375-1381	19.1	10
233	Vascular Endothelial Protein Tyrosine Phosphatase Regulates Endothelial Function. *Physiology*, **2021**, 36, 84-93	9.8	3
232	eNOS-induced vascular barrier disruption in retinopathy by c-Src activation and tyrosine phosphorylation of VE-cadherin. *ELife*, **2021**, 10,	8.9	6
231	PECAM-1 supports leukocyte diapedesis by tension-dependent dephosphorylation of VE-cadherin. *EMBO Journal*, **2021**, 40, e106113	13	5
230	Platelets docking to VWF prevent leaks during leukocyte extravasation by stimulating Tie-2. *Blood*, **2020**, 136, 627-639	2.2	21
229	Mechanisms Ensuring Endothelial Junction Integrity Beyond VE-Cadherin. *Frontiers in Physiology*, **2020**, 11, 519	4.6	25
228	Hematopoietic stem and progenitor cells use podosomes to transcellularly cross the bone marrow endothelium. *Haematologica*, **2020**, 105, 2746-2756	6.6	7
227	Actin-Binding Protein Cortactin Promotes Pathogenesis of Experimental Autoimmune Encephalomyelitis by Supporting Leukocyte Infiltration into the Central Nervous System. *Journal of Neuroscience*, **2020**, 40, 1389-1404	6.6	3
226	A Small Molecule Inhibitor of VE-PTP Activates Tie2 in Schlemm's Canal Increasing Outflow Facility and Reducing Intraocular Pressure **2020**, 61, 12		14
225	Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. *Journal of Clinical Investigation*, **2020**, 130, 2301-2318	15.9	31
224	Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. *ELife*, **2020**, 9,	8.9	22
223	EphrinB2-EphB4 signalling provides Rho-mediated homeostatic control of lymphatic endothelial cell junction integrity. *ELife*, **2020**, 9,	8.9	16
222	Interference With ESAM (Endothelial Cell-Selective Adhesion Molecule) Plus Vascular Endothelial-Cadherin Causes Immediate Lethality and Lung-Specific Blood Coagulation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2020**, 40, 378-393	9.4	16
221	The integrin-linked kinase is required for chemokine-triggered high-affinity conformation of the neutrophil β2-integrin LFA-1. *Blood*, **2020**, 136, 2200-2205	2.2	18
220	A molecular map of murine lymph node blood vascular endothelium at single cell resolution. *Nature Communications*, **2020**, 11, 3798	17.4	28
219	Extracellular Vesicle Transfer from Endothelial Cells Drives VE-Cadherin Expression in Breast Cancer Cells, Thereby Causing Heterotypic Cell Contacts. *Cancers*, **2020**, 12,	6.6	7

218	Vascular Endothelial Receptor Tyrosine Phosphatase: Identification of Novel Substrates Related to Junctions and a Ternary Complex with EPHB4 and TIE2. *Molecular and Cellular Proteomics*, **2019**, 18, 2058-2077	7.6	8
217	Human CCR5high effector memory cells perform CNS parenchymal immune surveillance via GZMK-mediated transendothelial diapedesis. *Brain*, **2019**, 142, 3411-3427	11.2	19
216	VE-PTP inhibition stabilizes endothelial junctions by activating FGD5. *EMBO Reports*, **2019**, 20, e47046	6.5	12
215	Targeting VE-PTP phosphatase protects the kidney from diabetic injury. *Journal of Experimental Medicine*, **2019**, 216, 936-949	16.6	25
214	Blood flow guides sequential support of neutrophil arrest and diapedesis by PILR-α and PILR-β *ELife*, **2019**, 8,	8.9	9
213	Targeting the vascular-specific phosphatase PTPRB protects against retinal ganglion cell loss in a pre-clinical model of glaucoma. *ELife*, **2019**, 8,	8.9	16
212	Context-dependent functions of angiopoietin 2 are determined by the endothelial phosphatase VEPTP. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 1298-1303	11.5	61
211	Distinct roles of VE-cadherin for development and maintenance of specific lymph vessel beds. *EMBO Journal*, **2018**, 37,	13	29
210	Human adult HSCs can be discriminated from lineage-committed HPCs by the expression of endomucin. *Blood Advances*, **2018**, 2, 1628-1632	7.8	6
209	CD99L2 deficiency inhibits leukocyte entry into the central nervous system and ameliorates neuroinflammation. *Journal of Leukocyte Biology*, **2018**, 104, 787-797	6.5	6
208	HS1 deficiency impairs neutrophil recruitment in vivo and activation of the small GTPases Rac1 and Rap1. *Journal of Leukocyte Biology*, **2017**, 101, 1133-1142	6.5	15
207	Endothelial CD99 supports arrest of mouse neutrophils in venules and binds to neutrophil PILRs. *Blood*, **2017**, 129, 1811-1822	2.2	18
206	Flow Dynamics and HSPC Homing in Bone Marrow Microvessels. *Cell Reports*, **2017**, 18, 1804-1816	10.6	70
205	Endothelial Basement Membrane Laminin 511 Contributes to Endothelial Junctional Tightness and Thereby Inhibits Leukocyte Transmigration. *Cell Reports*, **2017**, 18, 1256-1269	10.6	74
204	Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity: Evidence From Mouse and Human Studies. *Circulation*, **2017**, 136, 388-403	16.7	83
203	VE-Cadherin Phosphorylation Regulates Endothelial Fluid Shear Stress Responses through the Polarity Protein LGN. *Current Biology*, **2017**, 27, 2219-2225.e5	6.3	28
202	A Novel Cervical Spinal Cord Window Preparation Allows for Two-Photon Imaging of T-Cell Interactions with the Cervical Spinal Cord Microvasculature during Experimental Autoimmune Encephalomyelitis. *Frontiers in Immunology*, **2017**, 8, 406	8.4	20
201	VIPAR, a quantitative approach to 3D histopathology applied to lymphatic malformations. *JCI Insight*, **2017**, 2,	9.9	15

200	Expression of receptor-type protein tyrosine phosphatase in developing and adult renal vasculature. *PLoS ONE*, **2017**, 12, e0177192	3.7	6
199	GDF-15 inhibits integrin activation and mouse neutrophil recruitment through the ALK-5/TGF-RII heterodimer. *Blood*, **2016**, 128, 529-41	2.2	60
198	Loss of cortactin causes endothelial barrier dysfunction via disturbed adrenomedullin secretion and actomyosin contractility. *Scientific Reports*, **2016**, 6, 29003	4.9	30
197	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. *Journal of Clinical Investigation*, **2016**, 126, 4125-4139	15.9	41
196	How leukocytes trigger opening and sealing of gaps in the endothelial barrier. *F1000Research*, **2016** , 5,	3.6	9
195	Pivotal role for skin transendothelial radio-resistant anti-inflammatory macrophages in tissue repair. *ELife*, **2016**, 5,	8.9	24
194	Interfering with VE-PTP stabilizes endothelial junctions in vivo via Tie-2 in the absence of VE-cadherin. *Journal of General Physiology*, **2016**, 147, 1472OIA10	3.4	
193	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. *Nature Communications*, **2016**, 7, 11017	17.4	77
192	Blocking neutrophil diapedesis prevents hemorrhage during thrombocytopenia. *Journal of Experimental Medicine*, **2015**, 212, 1255-66	16.6	56
191	Integrin 1 controls VE-cadherin localization and blood vessel stability. *Nature Communications*, **2015**, 6, 6429	17.4	127
190	How leukocytes cross the vascular endothelium. *Nature Reviews Immunology*, **2015**, 15, 692-704	36.5	425
189	Cadherins in tissue architecture and disease. *Journal of Molecular Medicine*, **2015**, 93, 5-11	5.5	18
188	Cell surface levels of endothelial ICAM-1 influence the transcellular or paracellular T-cell diapedesis across the blood-brain barrier. *European Journal of Immunology*, **2015**, 45, 1043-58	6.1	95
187	Hematopoietic stem cells develop in the absence of endothelial cadherin 5 expression. *Blood*, **2015**, 126, 2811-20	2.2	16
186	Extracellular MRP8/14 is a regulator of 2 integrin-dependent neutrophil slow rolling and adhesion. *Nature Communications*, **2015**, 6, 6915	17.4	104
185	Interfering with VE-PTP stabilizes endothelial junctions in vivo via Tie-2 in the absence of VE-cadherin. *Journal of Experimental Medicine*, **2015**, 212, 2267-87	16.6	119
184	Blocking neutrophil diapedesis prevents hemorrhage during thrombocytopenia. *Journal of Cell Biology*, **2015**, 210, 2102OIA143	7.3	
183	Interfering with VE-PTP stabilizes endothelial junctions in vivo via Tie-2 in the absence of VE-cadherin. *Journal of Cell Biology*, **2015**, 211, 2116OIA294	7.3	

182	Leukocyte extravasation and vascular permeability are each controlled in vivo by different tyrosine residues of VE-cadherin. *Nature Immunology*, **2014**, 15, 223-30	19.1	239
181	Phosphatases and kinases as regulators of the endothelial barrier function. *Cell and Tissue Research* , **2014**, 355, 577-86	4.2	37
180	The role of differential VE-cadherin dynamics in cell rearrangement during angiogenesis. *Nature Cell Biology*, **2014**, 16, 309-21	23.4	239
179	Similarities and differences in the regulation of leukocyte extravasation and vascular permeability. *Seminars in Immunopathology*, **2014**, 36, 177-92	12	49
178	VLA-4 blockade promotes differential routes into human CNS involving PSGL-1 rolling of T cells and MCAM-adhesion of TH17 cells. *Journal of Experimental Medicine*, **2014**, 211, 1833-46	16.6	96
177	A feeder-free differentiation system identifies autonomously proliferating B cell precursors in human bone marrow. *Journal of Immunology*, **2014**, 192, 1044-54	5.3	21
176	Blocking von Willebrand factor for treatment of cutaneous inflammation. *Journal of Investigative Dermatology*, **2014**, 134, 77-86	4.3	44
175	Fusing VE-cadherin to □catenin impairs fetal liver hematopoiesis and lymph but not blood vessel formation. *Molecular and Cellular Biology*, **2014**, 34, 1634-48	4.8	15
174	□ integrin-mediated crawling on endothelial ICAM-1 and ICAM-2 is a prerequisite for transcellular neutrophil diapedesis across the inflamed blood-brain barrier. *Journal of Immunology*, **2014**, 192, 324-37	5.3	100
173	Esm1 modulates endothelial tip cell behavior and vascular permeability by enhancing VEGF bioavailability. *Circulation Research*, **2014**, 115, 581-90	15.7	102
172	Targeting VE-PTP activates TIE2 and stabilizes the ocular vasculature. *Journal of Clinical Investigation*, **2014**, 124, 4564-76	15.9	140
171	Spatial regulation of VEGF receptor endocytosis in angiogenesis. *Nature Cell Biology*, **2013**, 15, 249-60	23.4	190
170	The role of VE-cadherin in vascular morphogenesis and permeability control. *Progress in Molecular Biology and Translational Science*, **2013**, 116, 119-44	4	121
169	VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. *Nature Communications*, **2013**, 4, 1672	17.4	103
168	NF-**B** inhibitor targeted to activated endothelium demonstrates a critical role of endothelial NF-**B** in immune-mediated diseases. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 16556-61	11.5	56
167	Cortactin regulates the activity of small GTPases and ICAM-1 clustering in endothelium: Implications for the formation of docking structures. *Tissue Barriers*, **2013**, 1, e23862	4.3	12
166	Locking endothelial junctions blocks leukocyte extravasation, but not in all tissues. *Tissue Barriers*, **2013**, 1, e23805	4.3	13
165	Cutting edge: Endothelial-specific gene ablation of CD99L2 impairs leukocyte extravasation in vivo. *Journal of Immunology*, **2013**, 190, 892-6	5.3	24

164	How T cells trigger the dissociation of the endothelial receptor phosphatase VE-PTP from VE-cadherin. *Blood*, **2013**, 122, 2512-22	2.2	61
163	HS1 regulates chemokine-induced Rap-1 activation via PKA in neutrophils to facilitate extravasation. *FASEB Journal*, **2013**, 27, 138.4	0.9	
162	Relevance of endothelial junctions in leukocyte extravasation and vascular permeability. *Annals of the New York Academy of Sciences*, **2012**, 1257, 184-92	6.5	88
161	The sphingosine-1-phosphate receptor S1PR1 restricts sprouting angiogenesis by regulating the interplay between VE-cadherin and VEGFR2. *Developmental Cell*, **2012**, 23, 587-99	10.2	223
160	The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. *Developmental Cell*, **2012**, 23, 1264	10.2	3
159	Markers for Hematopoietic Stem Cells: Histories and Recent Achievements **2012**,		5
158	Leukocyte integrin activation and deactivation: novel mechanisms of balancing inflammation. *Journal of Molecular Medicine*, **2012**, 90, 353-9	5.5	42
157	Anti-inflammatory mechanisms and therapeutic opportunities in myocardial infarct healing. *Journal of Molecular Medicine*, **2012**, 90, 361-9	5.5	46
156	Novel insights into leukocyte extravasation. *Current Opinion in Hematology*, **2012**, 19, 212-7	3.3	52
155	GDF-15 is an inhibitor of leukocyte integrin activation required for survival after myocardial infarction in mice. *Nature Medicine*, **2011**, 17, 581-8	50.5	316
154	Endothelial LSP1 is involved in endothelial dome formation, minimizing vascular permeability changes during neutrophil transmigration in vivo. *Blood*, **2011**, 117, 942-52	2.2	66
153	Dissociation of VE-PTP from VE-cadherin is required for leukocyte extravasation and for VEGF-induced vascular permeability in vivo. *Journal of Experimental Medicine*, **2011**, 208, 2393-401	16.6	144
152	Cortactin deficiency is associated with reduced neutrophil recruitment but increased vascular permeability in vivo. *Journal of Experimental Medicine*, **2011**, 208, 1721-35	16.6	114
151	Stabilizing the VE-cadherin-catenin complex blocks leukocyte extravasation and vascular permeability. *EMBO Journal*, **2011**, 30, 4157-70	13	201
150	Cortactin deficiency is associated with reduced leukocyte recruitment but increased vascular permeability in vivo. *FASEB Journal*, **2011**, 25, 116.1	0.9	
149	Cortactin deficiency is associated with reduced neutrophil recruitment but increased vascular permeability in vivo. *Journal of Cell Biology*, **2011**, 194, i7-i7	7.3	
148	Dissociation of VE-PTP from VE-cadherin is required for leukocyte extravasation and for VEGF-induced vascular permeability in vivo. *Journal of Cell Biology*, **2011**, 195, i4-i4	7.3	
147	Stereochemistry triggered differential cell behaviours on chiral polymer surfaces. *Soft Matter*, **2010**, 6, 3851	3.6	79

146	Control of endothelial barrier function by regulating vascular endothelial-cadherin. *Current Opinion in Hematology*, **2010**, 17, 230-6	3.3	37
145	CD99 and CD99L2 act at the same site as, but independently of, PECAM-1 during leukocyte diapedesis. *Blood*, **2010**, 116, 1172-84	2.2	67
144	von Willebrand factor promotes leukocyte extravasation. *Blood*, **2010**, 116, 4712-9	2.2	146
143	Unraveling the distinct distributions of VE- and N-cadherins in endothelial cells: a key role for p120-catenin. *Experimental Cell Research*, **2010**, 316, 2587-99	4.2	23
142	EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. *Thrombosis and Haemostasis*, **2009**, 101, 682-6	7	71
141	Role of the heparan sulfate proteoglycan syndecan-1 (CD138) in delayed-type hypersensitivity. *Journal of Immunology*, **2009**, 182, 4985-93	5.3	49
140	A murine DC-SIGN homologue contributes to early host defense against Mycobacterium tuberculosis. *Journal of Experimental Medicine*, **2009**, 206, 2205-20	16.6	88
139	VE-PTP controls blood vessel development by balancing Tie-2 activity. *Journal of Cell Biology*, **2009**, 185, 657-71	7.3	130
138	Cell adhesion dynamics at endothelial junctions: VE-cadherin as a major player. *Trends in Cell Biology*, **2009**, 19, 8-15	18.3	211
137	A monoclonal rat anti-mouse EMAP II antibody that functionally neutralizes pro- and mature-EMAP II in vitro. *Journal of Immunological Methods*, **2009**, 350, 22-8	2.5	7
136	Sulfatierte und nicht sulfatierte Glycopeptid-Erkennungsdomänen des P-Selektin-Glycoprotein-Liganden 1 und ihre Bindung an P- und E-Selektin. *Angewandte Chemie*, **2009**, 121, 3220-3224	3.6	7
135	Sulfated and non-sulfated glycopeptide recognition domains of P-selectin glycoprotein ligand 1 and their binding to P- and E-selectin. *Angewandte Chemie - International Edition*, **2009**, 48, 3174-8	16.4	25
134	Endothelial basement membrane laminin alpha5 selectively inhibits T lymphocyte extravasation into the brain. *Nature Medicine*, **2009**, 15, 519-27	50.5	180
133	The adhesion molecule esam1 is a novel hematopoietic stem cell marker. *Stem Cells*, **2009**, 27, 653-61	5.8	51
132	Leukocyte transmigration in inflamed liver: A role for endothelial cell-selective adhesion molecule. *Journal of Hepatology*, **2009**, 50, 755-65	13.4	25
131	The endothelial antigen ESAM marks primitive hematopoietic progenitors throughout life in mice. *Blood*, **2009**, 113, 2914-23	2.2	57
130	VE-PTP controls blood vessel development by balancing Tie-2 activity. *Journal of Experimental Medicine*, **2009**, 206, i11-i11	16.6	
129	Angiopoietins assemble distinct Tie2 signalling complexes in endothelial cell-cell and cell-matrix contacts. *Nature Cell Biology*, **2008**, 10, 527-37	23.4	348

128	A single Caenorhabditis elegans Golgi apparatus-type transporter of UDP-glucose, UDP-galactose, UDP-N-acetylglucosamine, and UDP-N-acetylgalactosamine. *Biochemistry*, **2008**, 47, 4337-44	3.2	22
127	A novel gene expression profile in lymphatics associated with tumor growth and nodal metastasis. *Cancer Research*, **2008**, 68, 7293-303	10.1	90
126	Vascular endothelial cadherin promotes breast cancer progression via transforming growth factor beta signaling. *Cancer Research*, **2008**, 68, 1388-97	10.1	87
125	Vaccination against CD99 inhibits atherogenesis in low-density lipoprotein receptor-deficient mice. *Cardiovascular Research*, **2008**, 78, 590-6	9.9	31
124	Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. *Journal of Cell Science*, **2008**, 121, 29-37	5.3	137
123	VE-cadherin: the major endothelial adhesion molecule controlling cellular junctions and blood vessel formation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2008**, 28, 223-32	9.4	491
122	Sialyltransferase ST3Gal-IV controls CXCR2-mediated firm leukocyte arrest during inflammation. *Journal of Experimental Medicine*, **2008**, 205, 1435-46	16.6	59
121	VE-PTP maintains the endothelial barrier via plakoglobin and becomes dissociated from VE-cadherin by leukocytes and by VEGF. *Journal of Experimental Medicine*, **2008**, 205, 2929-45	16.6	177
120	Nano-surgery at the leukocyte-endothelial docking site. *Pflugers Archiv European Journal of Physiology*, **2008**, 456, 71-81	4.6	25
119	Distinct molecular composition of blood and lymphatic vascular endothelial cell junctions establishes specific functional barriers within the peripheral lymph node. *European Journal of Immunology*, **2008**, 38, 2142-55	6.1	75
118	Synthetic glycopeptides from the E-selectin ligand 1 with varied sialyl Lewis(x) structure as cell-adhesion inhibitors of E-selectin. *Angewandte Chemie - International Edition*, **2007**, 46, 2108-11	16.4	31
117	Vom E-Selektin-Liganden 1 abgeleitete Glycopeptide mit variierter Sialyl-Lewisx-Struktur als Zelladhäsionsinhibitoren für E-Selektin. *Angewandte Chemie*, **2007**, 119, 2155-2159	3.6	12
116	Adhesion and signaling molecules controlling the transmigration of leukocytes through endothelium. *Immunological Reviews*, **2007**, 218, 178-96	11.3	228
115	Increased expression of syndecan-1 protects against cardiac dilatation and dysfunction after myocardial infarction. *Circulation*, **2007**, 115, 475-82	16.7	105
114	Vascular Adhesion Molecules. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2007**, 27, 1869-1869	9.4	
113	Functionally specialized junctions between endothelial cells of lymphatic vessels. *Journal of Experimental Medicine*, **2007**, 204, 2349-62	16.6	670
112	Platelet-induced differentiation of endothelial progenitor cells. *Seminars in Thrombosis and Hemostasis*, **2007**, 33, 136-43	5.3	30
111	E- and P-selectin are not required for the development of experimental autoimmune encephalomyelitis in C57BL/6 and SJL mice. *Journal of Immunology*, **2007**, 179, 8470-9	5.3	92

110	Golgi GDP-fucose transporter-deficient mice mimic congenital disorder of glycosylation IIc/leukocyte adhesion deficiency II. *Journal of Biological Chemistry*, **2007**, 282, 10762-72	5.4	55
109	Functional role of P-selectin glycoprotein ligand 1/P-selectin interaction in the generation of tolerogenic dendritic cells. *Journal of Immunology*, **2007**, 179, 7457-65	5.3	60
108	A CD99-related antigen on endothelial cells mediates neutrophil but not lymphocyte extravasation in vivo. *Blood*, **2007**, 109, 5327-36	2.2	86
107	Active MAC-1 (CD11b/CD18) on DCs inhibits full T-cell activation. *Blood*, **2007**, 109, 661-9	2.2	95
106	Complete identification of E-selectin ligands on neutrophils reveals distinct functions of PSGL-1, ESL-1, and CD44. *Immunity*, **2007**, 26, 477-489	32.3	229
105	Endothelial cell contacts in inflammation and angiogenesis. *International Congress Series*, **2007**, 1302, 17-25		4
104	The role of endothelial cell-selective adhesion molecule (ESAM) in neutrophil emigration into inflamed tissues **2007**, 253-269		
103	Functionally specialized junctions between endothelial cells of lymphatic vessels. *Journal of Cell Biology*, **2007**, 178, i15-i15	7.3	
102	Junctional adhesion molecule-a participates in the formation of apico-basal polarity through different domains. *Experimental Cell Research*, **2006**, 312, 3389-403	4.2	66
101	Migration of immature mouse DC across resting endothelium is mediated by ICAM-2 but independent of beta2-integrins and murine DC-SIGN homologues. *European Journal of Immunology*, **2006**, 36, 2781-94	6.1	21
100	ESAM supports neutrophil extravasation, activation of Rho, and VEGF-induced vascular permeability. *Journal of Experimental Medicine*, **2006**, 203, 1671-7	16.6	180
99	Adherent platelets recruit and induce differentiation of murine embryonic endothelial progenitor cells to mature endothelial cells in vitro. *Circulation Research*, **2006**, 98, e2-10	15.7	146
98	Platelets secrete stromal cell-derived factor 1alpha and recruit bone marrow-derived progenitor cells to arterial thrombi in vivo. *Journal of Experimental Medicine*, **2006**, 203, 1221-33	16.6	355
97	Discovery of protein phosphatase inhibitor classes by biology-oriented synthesis. *Proceedings of the National Academy of Sciences of the United States of America*, **2006**, 103, 10606-11	11.5	271
96	ICAM-2 and PECAM-1: 2 steps in leukocyte transmigration. *Blood*, **2006**, 107, 4579-4580	2.2	1
95	Leukocyte adhesion deficiency II patients with a dual defect of the GDP-fucose transporter. *Blood*, **2006**, 107, 3959-66	2.2	68
94	Vascular endothelial cell-specific phosphotyrosine phosphatase (VE-PTP) activity is required for blood vessel development. *Blood*, **2006**, 107, 4754-62	2.2	124
93	A distinct PAR complex associates physically with VE-cadherin in vertebrate endothelial cells. *EMBO Reports*, **2006**, 7, 1239-46	6.5	77

92	Platelets secrete stromal cell‐derived factor 1α and recruit bone marrow‐derived progenitor cells to arterial thrombi in vivo. *Journal of Cell Biology*, **2006**, 173, i5-i5	7.3	
91	ESAM supports neutrophil extravasation, activation of Rho, and VEGF-induced vascular permeability. *Journal of Cell Biology*, **2006**, 174, i2-i2	7.3	
90	Association of Csk to VE-cadherin and inhibition of cell proliferation. *EMBO Journal*, **2005**, 24, 1686-95	13	108
89	Agonists of proteinase-activated receptor-2 stimulate upregulation of intercellular cell adhesion molecule-1 in primary human keratinocytes via activation of NF-kappa B. *Journal of Investigative Dermatology*, **2005**, 124, 38-45	4.3	95
88	P-selectin glycoprotein ligand 1 is not required for the development of experimental autoimmune encephalomyelitis in SJL and C57BL/6 mice. *Journal of Immunology*, **2005**, 175, 1267-75	5.3	68
87	Coxsackievirus-adenovirus receptor (CAR) is essential for early embryonic cardiac development. *Journal of Cell Science*, **2005**, 118, 3509-21	5.3	102
86	Endomucin, a CD34-like sialomucin, marks hematopoietic stem cells throughout development. *Journal of Experimental Medicine*, **2005**, 202, 1483-92	16.6	60
85	Junctional adhesion molecules (JAMs): more molecules with dual functions?. *Journal of Cell Science*, **2004**, 117, 19-29	5.3	398
84	Interleukin-6 is a direct mediator of T cell migration. *European Journal of Immunology*, **2004**, 34, 2895-906	6.1	77
83	Pathogenic role of P-selectin in experimental cerebral malaria: importance of the endothelial compartment. *American Journal of Pathology*, **2004**, 164, 781-6	5.8	49
82	Endothelial adhesion molecule ESAM binds directly to the multidomain adaptor MAGI-1 and recruits it to cell contacts. *Experimental Cell Research*, **2004**, 300, 121-33	4.2	72
81	Identification and molecular cloning of a functional GDP-fucose transporter in Drosophila melanogaster. *Experimental Cell Research*, **2004**, 301, 242-50	4.2	24
80	A down-regulatable E-selectin ligand is functionally important for PSGL-1-independent leukocyte-endothelial cell interactions. *Blood*, **2004**, 104, 3766-73	2.2	23
79	Mouse CD99 participates in T-cell recruitment into inflamed skin. *Blood*, **2004**, 104, 3205-13	2.2	111
78	Immunoblockade of PSGL-1 attenuates established experimental murine colitis by reduction of leukocyte rolling. *American Journal of Physiology - Renal Physiology*, **2004**, 287, G115-24	5.1	47
77	Single injection of P-selectin or P-selectin glycoprotein ligand-1 monoclonal antibody blocks neointima formation after arterial injury in apolipoprotein E-deficient mice. *Circulation*, **2003**, 107, 2244-9	16.7	92
76	PSGL-1 participates in E-selectin-mediated progenitor homing to bone marrow: evidence for cooperation between E-selectin ligands and alpha4 integrin. *Blood*, **2003**, 102, 2060-7	2.2	159
75	In vitro cellular handling and in vivo targeting of E-selectin-directed immunoconjugates and immunoliposomes used for drug delivery to inflamed endothelium. *Pharmaceutical Research*, **2003**, 20, 64-72	4.5	59

74	Lymphocyte trafficking through blood and lymphatic vessels: more than just selectins, chemokines and integrins. *European Journal of Immunology*, **2003**, 33, 1361-4	6.1	30
73	The junctional adhesion molecule (JAM) family members JAM-2 and JAM-3 associate with the cell polarity protein PAR-3: a possible role for JAMs in endothelial cell polarity. *Journal of Cell Science*, **2003**, 116, 3879-91	5.3	212
72	Proinflammatory role of proteinase-activated receptor-2 in humans and mice during cutaneous inflammation in vivo. *FASEB Journal*, **2003**, 17, 1871-85	0.9	109
71	Multistep nature of microvascular recruitment of ex vivo-expanded embryonic endothelial progenitor cells during tumor angiogenesis. *Journal of Experimental Medicine*, **2003**, 197, 1755-65	16.6	183
70	Regulation of endothelial cell contacts during leukocyte extravasation. *Current Opinion in Cell Biology*, **2002**, 14, 587-93	9	103
69	Cell-matrix interactions during development and apoptosis of the mouse mammary gland in vivo. *Developmental Dynamics*, **2002**, 223, 497-516	2.9	64
68	Expression of endomucin, a novel endothelial sialomucin, in normal and diseased human skin. *Journal of Investigative Dermatology*, **2002**, 119, 1388-93	4.3	25
67	Leukocyte rolling is exclusively mediated by P-selectinin colonic venules. *British Journal of Pharmacology*, **2002**, 135, 1749-56	8.6	29
66	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. *EMBO Journal*, **2002**, 21, 4885-95	13	235
65	The alpha (1,3)-fucosyltransferase Fuc-TIV, but not Fuc-TVII, generates sialyl Lewis X-like epitopes preferentially on glycolipids. *Journal of Biological Chemistry*, **2002**, 277, 47786-95	5.4	38
64	Molecular mechanisms involved in lymphocyte recruitment in inflamed brain microvessels: critical roles for P-selectin glycoprotein ligand-1 and heterotrimeric G(i)-linked receptors. *Journal of Immunology*, **2002**, 168, 1940-9	5.3	206
63	A transmembrane tight junction protein selectively expressed on endothelial cells and platelets. *Journal of Biological Chemistry*, **2002**, 277, 16294-303	5.4	172
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