Dietmar Vestweber

List of Publications by Year
in descending order

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237 papers	24,979 citations	4653 85 h-index	7944 149 g-index
335 all docs	335 docs citations	335 times ranked	23391 citing authors

#	Article	IF	Citations
1	Confocal Real-Time Analysis of Cutaneous Platelet Recruitment during Immune Complexâ€'Mediated Inflammation. Journal of Investigative Dermatology, 2022, 142, 2724-2732.e3.	0.3	4
2	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.	2.2	8
3	Mechanosensation by endothelial PIEZO1 is required for leukocyte diapedesis. Blood, 2022, 140, 171-183.	0.6	37
4	Landmark-based retrieval of inflamed skin vessels enabled by 3D correlative intravital light and volume electron microscopy. Histochemistry and Cell Biology, 2022, 158, 127-136.	0.8	2
5	PECAMâ€1 supports leukocyte diapedesis by tensionâ€dependent dephosphorylation of VEâ€cadherin. EMBO Journal, 2021, 40, e106113.	3.5	22
6	Vascular Endothelial Protein Tyrosine Phosphatase Regulates Endothelial Function. Physiology, 2021, 36, 84-93.	1.6	18
7	eNOS-induced vascular barrier disruption in retinopathy by c-Src activation and tyrosine phosphorylation of VE-cadherin. ELife, 2021, 10, .	2.8	24
8	Circadian clocks guide dendritic cells into skin lymphatics. Nature Immunology, 2021, 22, 1375-1381.	7.0	47
9	Force-induced changes of Î±-catenin conformation stabilize vascular junctions independently of vinculin. Journal of Cell Science, 2021, 134, .	1.2	9
10	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.	1.1	27
11	The integrin-linked kinase is required for chemokine-triggered high-affinity conformation of the neutrophil Î²2-integrin LFA-1. Blood, 2020, 136, 2200-2205.	0.6	26
12	A molecular map of murine lymph node blood vascular endothelium at single cell resolution. Nature Communications, 2020, 11, 3798.	5.8	74
13	Extracellular Vesicle Transfer from Endothelial Cells Drives VE-Cadherin Expression in Breast Cancer Cells, Thereby Causing Heterotypic Cell Contacts. Cancers, 2020, 12, 2138.	1.7	16
14	Platelets docking to VWF prevent leaks during leukocyte extravasation by stimulating Tie-2. Blood, 2020, 136, 627-639.	0.6	39
15	Mechanisms Ensuring Endothelial Junction Integrity Beyond VE-Cadherin. Frontiers in Physiology, 2020, 11, 519.	1.3	79
16	Hematopoietic stem and progenitor cells use podosomes to transcellularly cross the bone marrow endothelium. Haematologica, 2020, 105, 2746-2756.	1.7	12
17	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.	1.7	8
18	A Small Molecule Inhibitor of VE-PTP Activates Tie2 in Schlemm's Canal Increasing Outflow Facility and Reducing Intraocular Pressure. , 2020, 61, 12.		25

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19	Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. Journal of Clinical Investigation, 2020, 130, 2301-2318.	3.9	48
20	Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. ELife, 2020, 9, .	2.8	65
21	EphrinB2-EphB4 signalling provides Rho-mediated homeostatic control of lymphatic endothelial cell junction integrity. ELife, 2020, 9, .	2.8	35
22	Vascular Endothelial Receptor Tyrosine Phosphatase: Identification of Novel Substrates Related to Junctions and a Ternary Complex with EPHB4 and TIE2*[S]. Molecular and Cellular Proteomics, 2019, 18, 2058-2077.	2.5	17
23	Human CCR5high effector memory cells perform CNS parenchymal immune surveillance via GZMK-mediated transendothelial diapedesis. Brain, 2019, 142, 3411-3427.	3.7	39
24	<scp>VE</scp> â€•<scp>PTP</scp> inhibition stabilizes endothelial junctions by activating <scp>FGD</scp> 5. EMBO Reports, 2019, 20, e47046.	2.0	18
25	Targeting VE-PTP phosphatase protects the kidney from diabetic injury. Journal of Experimental Medicine, 2019, 216, 936-949.	4.2	34
26	Blood flow guides sequential support of neutrophil arrest and diapedesis by PILR-Î²1 and PILR-Î±. ELife, 2019, 8, .	2.8	11
27	Targeting the vascular-specific phosphatase PTPRB protects against retinal ganglion cell loss in a pre-clinical model of glaucoma. ELife, 2019, 8, .	2.8	30
28	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.	3.3	85
29	Distinct roles of <scp>VE</scp> â€cadherin for development and maintenance of specific lymph vessel beds. EMBO Journal, 2018, 37, .	3.5	62
30	Human adult HSCs can be discriminated from lineage-committed HPCs by the expression of endomucin. Blood Advances, 2018, 2, 1628-1632.	2.5	10
31	CD99L2 deficiency inhibits leukocyte entry into the central nervous system and ameliorates neuroinflammation. Journal of Leukocyte Biology, 2018, 104, 787-797.	1.5	22
32	HS1 deficiency impairs neutrophil recruitment in vivo and activation of the small GTPases Rac1 and Rap1. Journal of Leukocyte Biology, 2017, 101, 1133-1142.	1.5	19
33	Endothelial CD99 supports arrest of mouse neutrophils in venules and binds to neutrophil PILRs. Blood, 2017, 129, 1811-1822.	0.6	23
34	Flow Dynamics and HSPC Homing in Bone Marrow Microvessels. Cell Reports, 2017, 18, 1804-1816.	2.9	96
35	Endothelial Basement Membrane Laminin 511 Contributes to Endothelial Junctional Tightness and Thereby Inhibits Leukocyte Transmigration. Cell Reports, 2017, 18, 1256-1269.	2.9	125
36	Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity. Circulation, 2017, 136, 388-403.	1.6	128

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37	VE-Cadherin Phosphorylation Regulates Endothelial Fluid Shear Stress Responses through the Polarity Protein LGN. Current Biology, 2017, 27, 2219-2225.e5.	1.8	53
38	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.	2.2	56
39	VIPAR, a quantitative approach to 3D histopathology applied to lymphatic malformations. JCI Insight, 2017, 2, .	2.3	33
40	Expression of receptor-type protein tyrosine phosphatase in developing and adult renal vasculature. PLoS ONE, 2017, 12, e0177192.	1.1	7
41	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. Nature Communications, 2016, 7, 11017.	5.8	111
42	GDF-15 inhibits integrin activation and mouse neutrophil recruitment through the ALK-5/TGF-Î²RII heterodimer. Blood, 2016, 128, 529-541.	0.6	81
43	Loss of cortactin causes endothelial barrier dysfunction via disturbed adrenomedullin secretion and actomyosin contractility. Scientific Reports, 2016, 6, 29003.	1.6	46
44	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. Journal of Clinical Investigation, 2016, 126, 4125-4139.	3.9	50
45	How leukocytes trigger opening and sealing of gaps in the endothelial barrier. F1000Research, 2016, 5, 2321.	0.8	13
46	Pivotal role for skin transendothelial radio-resistant anti-inflammatory macrophages in tissue repair. ELife, 2016, 5, .	2.8	34
47	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.	0.9	0
48	Cell surface levels of endothelial ICAMâ€1 influence the transcellular or paracellular Tâ€cell diapedesis across the bloodâ€“brain barrier. European Journal of Immunology, 2015, 45, 1043-1058.	1.6	156
49	Hematopoietic stem cells develop in the absence of endothelial cadherin 5 expression. Blood, 2015, 126, 2811-2820.	0.6	20
50	Extracellular MRP8/14 is a regulator of Î²2 integrin-dependent neutrophil slow rolling and adhesion. Nature Communications, 2015, 6, 6915.	5.8	141
51	Interfering with VE-PTP stabilizes endothelial junctions in vivo via Tie-2 in the absence of VE-cadherin. Journal of Experimental Medicine, 2015, 212, 2267-2287.	4.2	172
52	Blocking neutrophil diapedesis prevents hemorrhage during thrombocytopenia. Journal of Experimental Medicine, 2015, 212, 1255-1266.	4.2	66
53	Integrin Î²1 controls VE-cadherin localization and blood vessel stability. Nature Communications, 2015, 6, 6429.	5.8	171
54	How leukocytes cross the vascular endothelium. Nature Reviews Immunology, 2015, 15, 692-704.	10.6	607

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55	Cadherins in tissue architecture and disease. Journal of Molecular Medicine, 2015, 93, 5-11.	1.7	25
56	Blocking neutrophil diapedesis prevents hemorrhage during thrombocytopenia. Journal of Cell Biology, 2015, 210, 2102OIA143.	2.3	0
57	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.	2.3	0
58	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, 1833-1846.	4.2	134
59	A Feeder-Free Differentiation System Identifies Autonomously Proliferating B Cell Precursors in Human Bone Marrow. Journal of Immunology, 2014, 192, 1044-1054.	0.4	31
60	Blocking Von Willebrand Factor for Treatment of Cutaneous Inflammation. Journal of Investigative Dermatology, 2014, 134, 77-86.	0.3	59
61	Fusing VE-Cadherin to Î±-Catenin Impairs Fetal Liver Hematopoiesis and Lymph but Not Blood Vessel Formation. Molecular and Cellular Biology, 2014, 34, 1634-1648.	1.1	19
62	Î²2 Integrinâ€“Mediated Crawling on Endothelial ICAM-1 and ICAM-2 Is a Prerequisite for Transcellular Neutrophil Diapedesis across the Inflamed Bloodâ€“Brain Barrier. Journal of Immunology, 2014, 192, 324-337.	0.4	139
63	Esm1 Modulates Endothelial Tip Cell Behavior and Vascular Permeability by Enhancing VEGF Bioavailability. Circulation Research, 2014, 115, 581-590.	2.0	171
64	Targeting VE-PTP activates TIE2 and stabilizes the ocular vasculature. Journal of Clinical Investigation, 2014, 124, 4564-4576.	3.9	174
65	Leukocyte extravasation and vascular permeability are each controlled in vivo by different tyrosine residues of VE-cadherin. Nature Immunology, 2014, 15, 223-230.	7.0	290
66	Phosphatases and kinases as regulators of the endothelial barrier function. Cell and Tissue Research, 2014, 355, 577-586.	1.5	46
67	The role of differential VE-cadherin dynamics in cell rearrangement during angiogenesis. Nature Cell Biology, 2014, 16, 309-321.	4.6	328
68	Similarities and differences in the regulation of leukocyte extravasation and vascular permeability. Seminars in Immunopathology, 2014, 36, 177-192.	2.8	64
69	Spatial regulation of VEGF receptor endocytosis in angiogenesis. Nature Cell Biology, 2013, 15, 249-260.	4.6	221
70	The Role of VE-Cadherin in Vascular Morphogenesis and Permeability Control. Progress in Molecular Biology and Translational Science, 2013, 116, 119-144.	0.9	161
71	VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. Nature Communications, 2013, 4, 1672.	5.8	120
72	NF-ÎºB inhibitor targeted to activated endothelium demonstrates a critical role of endothelial NF-ÎºB in immune-mediated diseases. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16556-16561.	3.3	77

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73	Cortactin regulates the activity of small GTPases and ICAM-1 clustering in endothelium. Tissue Barriers, 2013, 1, e23862.	1.6	13
74	Locking endothelial junctions blocks leukocyte extravasation, but not in all tissues. Tissue Barriers, 2013, 1, e23805.	1.6	13
75	Cutting Edge: Endothelial-Specific Gene Ablation of CD99L2 Impairs Leukocyte Extravasation In Vivo. Journal of Immunology, 2013, 190, 892-896.	0.4	26
76	How T cells trigger the dissociation of the endothelial receptor phosphatase VE-PTP from VE-cadherin. Blood, 2013, 122, 2512-2522.	0.6	68
77	HS1 regulates chemokineâ€induced Rapâ€1 activation via PKA in neutrophils to facilitate extravasation. FASEB Journal, 2013, 27, 138.4.	0.2	0
78	Novel insights into leukocyte extravasation. Current Opinion in Hematology, 2012, 19, 212-217.	1.2	60
79	The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. Developmental Cell, 2012, 23, 587-599.	3.1	287
80	The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. Developmental Cell, 2012, 23, 1264.	3.1	3
81	Markers for Hematopoietic Stem Cells: Histories and Recent Achievements. , 2012, , .		8
82	Leukocyte integrin activation and deactivation: novel mechanisms of balancing inflammation. Journal of Molecular Medicine, 2012, 90, 353-359.	1.7	48
83	Anti-inflammatory mechanisms and therapeutic opportunities in myocardial infarct healing. Journal of Molecular Medicine, 2012, 90, 361-369.	1.7	57
84	Relevance of endothelial junctions in leukocyte extravasation and vascular permeability. Annals of the New York Academy of Sciences, 2012, 1257, 184-192.	1.8	115
85	GDF-15 is an inhibitor of leukocyte integrin activation required for survival after myocardial infarction in mice. Nature Medicine, 2011, 17, 581-588.	15.2	411
86	Endothelial LSP1 is involved in endothelial dome formation, minimizing vascular permeability changes during neutrophil transmigration in vivo. Blood, 2011, 117, 942-952.	0.6	78
87	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, 2393-2401.	4.2	165
88	Cortactin deficiency is associated with reduced neutrophil recruitment but increased vascular permeability in vivo. Journal of Experimental Medicine, 2011, 208, 1721-1735.	4.2	136
89	Stabilizing the VE-cadherin-catenin complex blocks leukocyte extravasation and vascular permeability. EMBO Journal, 2011, 30, 4157-4170.	3.5	222
90	Cortactin deficiency is associated with reduced leukocyte recruitment but increased vascular permeability in vivo. FASEB Journal, 2011, 25, 116.1.	0.2	0

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91	Cortactin deficiency is associated with reduced neutrophil recruitment but increased vascular permeability in vivo. Journal of Cell Biology, 2011, 194, i7-i7.	2.3	0
92	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.	2.3	0
93	Control of endothelial barrier function by regulating vascular endothelial-cadherin. Current Opinion in Hematology, 2010, 17, 230-236.	1.2	40
94	CD99 and CD99L2 act at the same site as, but independently of, PECAM-1 during leukocyte diapedesis. Blood, 2010, 116, 1172-1184.	0.6	77
95	von Willebrand factor promotes leukocyte extravasation. Blood, 2010, 116, 4712-4719.	0.6	179
96	Unraveling the distinct distributions of VE- and N-cadherins in endothelial cells: A key role for p120-catenin. Experimental Cell Research, 2010, 316, 2587-2599.	1.2	23
97	Stereochemistry triggered differential cell behaviours on chiral polymer surfaces. Soft Matter, 2010, 6, 3851.	1.2	86
98	EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. Thrombosis and Haemostasis, 2009, 101, 682-686.	1.8	78
99	Role of the Heparan Sulfate Proteoglycan Syndecan-1 (CD138) in Delayed-Type Hypersensitivity. Journal of Immunology, 2009, 182, 4985-4993.	0.4	54
100	A murine DC-SIGN homologue contributes to early host defense against Mycobacterium tuberculosis. Journal of Experimental Medicine, 2009, 206, 2205-2220.	4.2	98
101	VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Cell Biology, 2009, 185, 657-671.	2.3	167
102	Cell adhesion dynamics at endothelial junctions: VE-cadherin as a major player. Trends in Cell Biology, 2009, 19, 8-15.	3.6	253
103	A monoclonal rat anti-mouse EMAP II antibody that functionally neutralizes pro- and mature-EMAP II in vitro. Journal of Immunological Methods, 2009, 350, 22-28.	0.6	8
104	Sulfated and Nonâ€Sulfated Glycopeptide Recognition Domains of Pâ€Selectin Glycoprotein Ligandâ€…1 and their Binding to Pâ€•and Eâ€Selectin. Angewandte Chemie - International Edition, 2009, 48, 3174-3178.	7.2	29
105	Endothelial basement membrane laminin Î±5 selectively inhibits T lymphocyte extravasation into the brain. Nature Medicine, 2009, 15, 519-527.	15.2	235
106	The Adhesion Molecule Esam1 Is a Novel Hematopoietic Stem Cell Marker. Stem Cells, 2009, 27, 653-661.	1.4	62
107	Leukocyte transmigration in inflamed liver: A role for endothelial cell-selective adhesion molecule. Journal of Hepatology, 2009, 50, 755-765.	1.8	26
108	The endothelial antigen ESAM marks primitive hematopoietic progenitors throughout life in mice. Blood, 2009, 113, 2914-2923.	0.6	68

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109	VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Experimental Medicine, 2009, 206, i11-i11.	4.2	1
110	Nano-surgery at the leukocyteâ€“endothelial docking site. Pflugers Archiv European Journal of Physiology, 2008, 456, 71-81.	1.3	27
111	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, 2142-2155.	1.6	87
112	Angiopoietins assemble distinct Tie2 signalling complexes in endothelial cellâ€“cell and cellâ€“matrix contacts. Nature Cell Biology, 2008, 10, 527-537.	4.6	406
113	A new player in lymphocyte homing. Nature Immunology, 2008, 9, 347-348.	7.0	6
114	A Single Caenorhabditis elegans Golgi Apparatus-Type Transporter of UDP-Glucose, UDP-Galactose, UDP-N-Acetylglucosamine, and UDP-N-Acetylgalactosamine. Biochemistry, 2008, 47, 4337-4344.	1.2	25
115	A Novel Gene Expression Profile in Lymphatics Associated with Tumor Growth and Nodal Metastasis. Cancer Research, 2008, 68, 7293-7303.	0.4	103
116	Vascular Endothelial Cadherin Promotes Breast Cancer Progression via Transforming Growth Factor Î² Signaling. Cancer Research, 2008, 68, 1388-1397.	0.4	96
117	Vaccination against CD99 inhibits atherogenesis in low-density lipoprotein receptor-deficient mice. Cardiovascular Research, 2008, 78, 590-596.	1.8	43
118	Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. Journal of Cell Science, 2008, 121, 29-37.	1.2	148
119	VE-Cadherin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 223-232.	1.1	634
120	Sialyltransferase ST3Gal-IV controls CXCR2-mediated firm leukocyte arrest during inflammation. Journal of Experimental Medicine, 2008, 205, 1435-1446.	4.2	66
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, 2929-2945.	4.2	197
122	Increased Expression of Syndecan-1 Protects Against Cardiac Dilatation and Dysfunction After Myocardial Infarction. Circulation, 2007, 115, 475-482.	1.6	123
123	Vascular Adhesion Molecules. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 1869-1869.	1.1	0
124	Functionally specialized junctions between endothelial cells of lymphatic vessels. Journal of Experimental Medicine, 2007, 204, 2349-2362.	4.2	829
125	Platelet-Induced Differentiation of Endothelial Progenitor Cells. Seminars in Thrombosis and Hemostasis, 2007, 33, 136-143.	1.5	34
126	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, 8470-8479.	0.4	117

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127	Golgi GDP-fucose Transporter-deficient Mice Mimic Congenital Disorder of Glycosylation IIc/Leukocyte Adhesion Deficiency II. Journal of Biological Chemistry, 2007, 282, 10762-10772.	1.6	62
128	Functional Role of P-Selectin Glycoprotein Ligand 1/P-Selectin Interaction in the Generation of Tolerogenic Dendritic Cells. Journal of Immunology, 2007, 179, 7457-7465.	0.4	75
129	A CD99-related antigen on endothelial cells mediates neutrophil but not lymphocyte extravasation in vivo. Blood, 2007, 109, 5327-5336.	0.6	95
130	Active MAC-1 (CD11b/CD18) on DCs inhibits full T-cell activation. Blood, 2007, 109, 661-669.	0.6	113
131	Complete Identification of E-Selectin Ligands on Neutrophils Reveals Distinct Functions of PSGL-1, ESL-1, and CD44. Immunity, 2007, 26, 477-489.	6.6	264
132	Endothelial cell contacts in inflammation and angiogenesis. International Congress Series, 2007, 1302, 17-25.	0.2	5
133	Synthetic Glycopeptides from the E-Selectin Ligandâ€...1 with Varied Sialyl Lewisx Structure as Cell-Adhesion Inhibitors of E-Selectin. Angewandte Chemie - International Edition, 2007, 46, 2108-2111.	7.2	32
134	Adhesion and signaling molecules controlling the transmigration of leukocytes through endothelium. Immunological Reviews, 2007, 218, 178-196.	2.8	268
135	The role of endothelial cell-selective adhesion molecule (ESAM) in neutrophil emigration into inflamed tissues. , 2007, , 253-269.		2
136	Functionally specialized junctions between endothelial cells of lymphatic vessels. Journal of Cell Biology, 2007, 178, i15-i15.	2.3	1
137	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, 10606-10611.	3.3	288
138	ICAM-2 and PECAM-1: 2 steps in leukocyte transmigration. Blood, 2006, 107, 4579-4580.	0.6	1
139	Leukocyte adhesion deficiency II patients with a dual defect of the GDP-fucose transporter. Blood, 2006, 107, 3959-3966.	0.6	76
140	Vascular endothelial cellâ€“specific phosphotyrosine phosphatase (VE-PTP) activity is required for blood vessel development. Blood, 2006, 107, 4754-4762.	0.6	138
141	A distinct PAR complex associates physically with VEâ€cadherin in vertebrate endothelial cells. EMBO Reports, 2006, 7, 1239-1246.	2.0	84
142	Junctional adhesion molecule-A participates in the formation of apico-basal polarity through different domains. Experimental Cell Research, 2006, 312, 3389-3403.	1.2	75
143	Migration of immature mouse DC across resting endothelium is mediated by ICAM-2 but independent of Î²2-integrins and murine DC-SIGN homologues. European Journal of Immunology, 2006, 36, 2781-2794.	1.6	22
144	ESAM supports neutrophil extravasation, activation of Rho, and VEGF-induced vascular permeability. Journal of Experimental Medicine, 2006, 203, 1671-1677.	4.2	207

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145	Adherent Platelets Recruit and Induce Differentiation of Murine Embryonic Endothelial Progenitor Cells to Mature Endothelial Cells In Vitro. Circulation Research, 2006, 98, e2-10.	2.0	168
146	Platelets secrete stromal cellâ€“derived factor 1Î± and recruit bone marrowâ€“derived progenitor cells to arterial thrombi in vivo. Journal of Experimental Medicine, 2006, 203, 1221-1233.	4.2	394
147	Platelets secrete stromal cellâ€“derived factor 1Î± and recruit bone marrowâ€“derived progenitor cells to arterial thrombi in vivo. Journal of Cell Biology, 2006, 173, i5-i5.	2.3	0
148	ESAM supports neutrophil extravasation, activation of Rho, and VEGF-induced vascular permeability. Journal of Cell Biology, 2006, 174, i2-i2.	2.3	0
149	Association of Csk to VE-cadherin and inhibition of cell proliferation. EMBO Journal, 2005, 24, 1686-1695.	3.5	118
150	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. EMBO Journal, 2005, 24, 3158-3158.	3.5	1
151	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.	0.3	115
152	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, 1267-1275.	0.4	87
153	Coxsackievirus-adenovirus receptor (CAR) is essential for early embryonic cardiac development. Journal of Cell Science, 2005, 118, 3509-3521.	1.2	121
154	Endomucin, a CD34-like sialomucin, marks hematopoietic stem cells throughout development. Journal of Experimental Medicine, 2005, 202, 1483-1492.	4.2	71
155	Junctional adhesion molecules (JAMs): more molecules with dual functions?. Journal of Cell Science, 2004, 117, 19-29.	1.2	443
156	Interleukin-6 is a direct mediator of Tâ€„cell migration. European Journal of Immunology, 2004, 34, 2895-2906.	1.6	91
157	Pathogenic Role of P-Selectin in Experimental Cerebral Malaria. American Journal of Pathology, 2004, 164, 781-786.	1.9	58
158	Endothelial adhesion molecule ESAM binds directly to the multidomain adaptor MAGI-1 and recruits it to cell contacts. Experimental Cell Research, 2004, 300, 121-133.	1.2	81
159	Identification and molecular cloning of a functional GDP-fucose transporter in Drosophila melanogaster. Experimental Cell Research, 2004, 301, 242-250.	1.2	26
160	A down-regulatable E-selectin ligand is functionally important for PSGL-1â€“independent leukocyteâ€“endothelial cell interactions. Blood, 2004, 104, 3766-3773.	0.6	28
161	Mouse CD99 participates in T-cell recruitment into inflamed skin. Blood, 2004, 104, 3205-3213.	0.6	141
162	Immunoblockade of PSGL-1 attenuates established experimental murine colitis by reduction of leukocyte rolling. American Journal of Physiology - Renal Physiology, 2004, 287, G115-G124.	1.6	52

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163	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.	1.7	65
164	Commentary Lymphocyte trafficking through blood and lymphatic vessels: more than just selectins, chemokines and integrins. European Journal of Immunology, 2003, 33, 1361-1364.	1.6	31
165	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, 3879-3891.	1.2	234
166	Proinflammatory role of proteinaseâ€activated receptorâ€2 in humans and mice during cutaneous inflammation in vivo. FASEB Journal, 2003, 17, 1871-1885.	0.2	121
167	Multistep Nature of Microvascular Recruitment of Ex Vivoâ€“expanded Embryonic Endothelial Progenitor Cells during Tumor Angiogenesis. Journal of Experimental Medicine, 2003, 197, 1755-1765.	4.2	204
168	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, 2244-2249.	1.6	106
169	PSGL-1 participates in E-selectinâ€“mediated progenitor homing to bone marrow: evidence for cooperation between E-selectin ligands and Î±4 integrin. Blood, 2003, 102, 2060-2067.	0.6	170
170	The Î±(1,3)-Fucosyltransferase Fuc-TIV, but Not Fuc-TVII, Generates Sialyl Lewis X-like Epitopes Preferentially on Glycolipids. Journal of Biological Chemistry, 2002, 277, 47786-47795.	1.6	39
171	Molecular Mechanisms Involved in Lymphocyte Recruitment in Inflamed Brain Microvessels: Critical Roles for P-Selectin Glycoprotein Ligand-1 and Heterotrimeric Gi-Linked Receptors. Journal of Immunology, 2002, 168, 1940-1949.	0.4	246
172	A Transmembrane Tight Junction Protein Selectively Expressed on Endothelial Cells and Platelets. Journal of Biological Chemistry, 2002, 277, 16294-16303.	1.6	196
173	Chondromodulin I Is Dispensable during Enchondral Ossification and Eye Development. Molecular and Cellular Biology, 2002, 22, 6627-6635.	1.1	21
174	Immature mouse dendritic cells enter inflamed tissue, a process that requires E- and P-selectin, but not P-selectin glycoprotein ligand 1. Blood, 2002, 99, 946-956.	0.6	75
175	Human Endomucin. American Journal of Pathology, 2002, 160, 1669-1681.	1.9	63
176	Leukocyte Adhesion Deficiency II: Therapy and Genetic Defect. Cells Tissues Organs, 2002, 172, 161-173.	1.3	77
177	Regulation of endothelial cell contacts during leukocyte extravasation. Current Opinion in Cell Biology, 2002, 14, 587-593.	2.6	115
178	Cell-matrix interactions during development and apoptosis of the mouse mammary gland in vivo. Developmental Dynamics, 2002, 223, 497-516.	0.8	76
179	Expression of Endomucin, a Novel Endothelial Sialomucin, in Normal and Diseased Human Skin. Journal of Investigative Dermatology, 2002, 119, 1388-1393.	0.3	35
180	Leukocyte rolling is exclusively mediated by P-selectinin colonic venules. British Journal of Pharmacology, 2002, 135, 1749-1756.	2.7	29

#	Article	IF	Citations
181	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. EMBO Journal, 2002, 21, 4885-4895.	3.5	277
182	Immature mouse dendritic cells enter inflamed tissue, a process that requires E- and P-selectin, but not P-selectin glycoprotein ligand 1. Blood, 2002, 99, 946-956.	0.6	18
183	Endomucin Is Expressed in Embryonic Dorsal Aorta and Is Able to Inhibit Cell Adhesion. Biochemical and Biophysical Research Communications, 2001, 287, 501-506.	1.0	9
184	Discontinuation of fucose therapy in LADII causes rapid loss of selectin ligands and rise of leukocyte counts. Blood, 2001, 97, 330-332.	0.6	57
185	Early expression of endomucin on endothelium of the mouse embryo and on putative hematopoietic clusters in the dorsal aorta. Developmental Dynamics, 2001, 222, 410-419.	0.8	53
186	Synthetic Inhibitors of Cell Adhesion: A Glycopeptide from E-Selectin Ligand 1 (ESL-1) with the Arabino Sialyl Lewisx Structure. Angewandte Chemie - International Edition, 2001, 40, 3836-3839.	7.2	25
187	The gene defective in leukocyte adhesion deficiency II encodes a putative GDP-fucose transporter. Nature Genetics, 2001, 28, 69-72.	9.4	301
188	Affinity, Kinetics, and Thermodynamics of E-selectin Binding to E-selectin Ligand-1. Journal of Biological Chemistry, 2001, 276, 31602-31612.	1.6	78
189	Title is missing!. Nature Genetics, 2001, 28, 69-72.	9.4	132
190	Molecular mechanisms that control endothelial cell contacts. , 2000, 190, 281-291.		112
191	P-Selectin Glycoprotein Ligand 1 (Psgl-1) Is Expressed on Platelets and Can Mediate Plateletâ€"Endothelial Interactions in Vivo. Journal of Experimental Medicine, 2000, 191, 1413-1422.	4.2	388
192	Neutrophil Tethering on E-Selectin Activates Î²2 Integrin Binding to ICAM-1 Through a Mitogen-Activated Protein Kinase Signal Transduction Pathway. Journal of Immunology, 2000, 164, 4348-4358.	0.4	218
193	Junctional Adhesion Molecule Interacts with the PDZ Domain-containing Proteins AF-6 and ZO-1. Journal of Biological Chemistry, 2000, 275, 27979-27988.	1.6	377
194	Molecular mechanisms that control endothelial cell contacts. Journal of Pathology, 2000, 190, 281-291.	2.1	2
195	Mechanisms That Regulate the Function of the Selectins and Their Ligands. Physiological Reviews, 1999, 79, 181-213.	13.1	873
196	Biochemical Characterization and Molecular Cloning of a Novel Endothelial-Specific Sialomucin. Blood, 1999, 93, 165-175.	0.6	82
197	Platelet/Polymorphonuclear Leukocyte Interaction: P-Selectin Triggers Protein-Tyrosine Phosphorylationâ€"Dependent CD11b/CD18 Adhesion: Role of PSGL-1 as a Signaling Molecule. Blood, 1999, 93, 876-885.	0.6	313
198	Correction of Leukocyte Adhesion Deficiency Type II With Oral Fucose. Blood, 1999, 94, 3976-3985.	0.6	255

#	Article	IF	Citations
199	Leukocyte adhesion deficiency II syndrome, a generalized defect in fucose metabolism. Journal of Pediatrics, 1999, 134, 681-688.	0.9	119
200	Memory B lymphocytes from secondary lymphoid organs interact with E-selectin through a novel glycoprotein ligand. Journal of Clinical Investigation, 1999, 103, 1317-1327.	3.9	22
201	Biochemical Characterization and Molecular Cloning of a Novel Endothelial-Specific Sialomucin. Blood, 1999, 93, 165-175.	0.6	2
202	Platelet/Polymorphonuclear Leukocyte Interaction: P-Selectin Triggers Protein-Tyrosine Phosphorylationâ€“Dependent CD11b/CD18 Adhesion: Role of PSGL-1 as a Signaling Molecule. Blood, 1999, 93, 876-885.	0.6	9
203	Correction of Leukocyte Adhesion Deficiency Type II With Oral Fucose. Blood, 1999, 94, 3976-3985.	0.6	8
204	Stimulation of P-selectin glycoprotein ligand-1 on mouse neutrophils activates Î²2â€‰-integrin mediated cell attachment to ICAM-1. European Journal of Immunology, 1998, 28, 433-443.	1.6	131
205	Expression of selectin-binding epitopes and cytokines by CD4+ T cells repopulating scid mice with colitis. European Journal of Immunology, 1998, 28, 1785-1797.	1.6	30
206	Control of Neonatal Tolerance to Tissue Antigens by Peripheral T Cell Trafficking. , 1998, 282, 1338-1341.		119
207	In Vitro Degradation of Endothelial Catenins by a Neutrophil Protease. Journal of Cell Biology, 1998, 140, 403-407.	2.3	91
208	Platelet-Endothelial Cell Interactions During Ischemia/Reperfusion: The Role of P-Selectin. Blood, 1998, 92, 507-515.	0.6	353
209	Platelet-Endothelial Cell Interactions During Ischemia/Reperfusion: The Role of P-Selectin. Blood, 1998, 92, 507-515.	0.6	92
210	Molecular Mechanisms of Endothelial Leukocyte Association. , 1998, , 9-20.		0
211	The Binding of T Cell-expressed P-selectin Glycoprotein Ligand-1 to E- and P-selectin Is Differentially Regulated. Journal of Biological Chemistry, 1997, 272, 28786-28792.	1.6	95
212	L-Selectin from Human, but Not from Mouse Neutrophils Binds Directly to E-Selectin. Journal of Cell Biology, 1997, 136, 707-716.	2.3	138
213	P-Selectin Glycoprotein Ligand-1 (PSGL-1) on T Helper 1 but Not on T Helper 2 Cells Binds to P-Selectin and Supports Migration into Inflamed Skin. Journal of Experimental Medicine, 1997, 185, 573-578.	4.2	261
214	The P-Selectin Glycoprotein Ligand-1 Is Important for Recruitment of Neutrophils Into Inflamed Mouse Peritoneum. Blood, 1997, 90, 1934-1942.	0.6	120
215	Differential Effect of E-Selectin Antibodies on Neutrophil Rolling and Recruitment to Inflammatory Sites. Blood, 1997, 89, 3009-3018.	0.6	73
216	E- and P-Selectin Are Not Involved in the Recruitment of Inflammatory Cells Across the Blood-Brain Barrier in Experimental Autoimmune Encephalomyelitis. Blood, 1997, 90, 4459-4472.	0.6	167

#	Article	IF	Citations
217	P- and E-selectin mediate recruitment of T-helper-1 but not T-helper-2 cells into inflamed tissues. Nature, 1997, 385, 81-83.	13.7	714
218	P-selectin glycoprotein ligand-1 mediates rolling of mouse bone marrow-derived mast cells on P-selectin but not efficiently on E-selectin. European Journal of Immunology, 1997, 27, 1339-1345.	1.6	26
219	E- and P-Selectin Are Not Involved in the Recruitment of Inflammatory Cells Across the Blood-Brain Barrier in Experimental Autoimmune Encephalomyelitis. Blood, 1997, 90, 4459-4472.	0.6	16
220	Activated T cells induce expression of E-selectinin vitro and in an antigen-dependent mannerin vivo. European Journal of Immunology, 1996, 26, 1571-1579.	1.6	33
221	E-SELECTIN EXPRESSION IN EXPERIMENTAL MODELS OF INFLAMMATION IN MICE. , 1996, 180, 317-325.		35
222	Ligand-specificity of the selectins. Journal of Cellular Biochemistry, 1996, 61, 585-591.	1.2	48
223	A Novel Activating Anti-Î²1 Integrin Monoclonal Antibody Binds to the Cysteine-rich Repeats in the Î²1 Chain. Journal of Biological Chemistry, 1996, 271, 25099-25106.	1.6	38
224	The E-selectin Ligand-1 Is Selectively Activated in Chinese Hamster Ovary Cells by the Î±(1,3)-Fucosyltransferases IV and VII. Journal of Biological Chemistry, 1996, 271, 33002-33008.	1.6	46
225	Ligandâ€specificity of the selectins. Journal of Cellular Biochemistry, 1996, 61, 585-591.	1.2	1
226	Differential Regulation of Î±4 Integrin-dependent Binding to Domains 1 and 4 of Vascular Cell Adhesion Molecule-1. Journal of Biological Chemistry, 1995, 270, 5979-5984.	1.6	38
227	Expression of Endothelial Cell Adhesion Molecules in Joints and Heart duringBorrelia burgdorferiInfection of Mice. Cell Adhesion and Communication, 1994, 2, 465-479.	1.7	50
228	Heat-stable antigen (CD24) as ligand for mouse P-selectin. International Immunology, 1994, 6, 1027-1036.	1.8	110
229	Borrelia BurgdorferiUpregulates the Adhesion Molecules E-selectin, P-selectin, ICAM-1 and VCAM-1 on Mouse Endothelioma Cellsin vitro. Cell Adhesion and Communication, 1994, 2, 145-157.	1.7	58
230	Only simultaneous blocking of the L- and P-selectin completely inhibits neutrophil migration into mouse peritoneum. European Journal of Immunology, 1994, 24, 3019-3024.	1.6	195
231	Expression of P-selectin on Endothelial Cells is Upregulated by LPS and TNF-Î± in Vivo. Cell Adhesion and Communication, 1994, 2, 7-14.	1.7	212
232	Selectins: Cell surface lectins which mediate the binding of leukocytes to endothelial cells. Seminars in Cell Biology, 1992, 3, 211-220.	3.5	46
233	Expression and distribution of cell adhesion molecule uvomorulin in mouse preimplantation embryos. Developmental Biology, 1987, 124, 451-456.	0.9	268
234	Cell-adhesion molecule uvomorulin during kidney development. Developmental Biology, 1985, 112, 213-221.	0.9	187

#	Article	IF	Citations
235	Comparison of two cell-adhesion molecules, uvomorulin and cell-CAM 105. Experimental Cell Research, 1985, 157, 451-461.	1.2	35
236	Some structural and functional aspects of the cell adhesion molecule uvomorulin. Cell Differentiation, 1984, 15, 269-273.	1.3	85
237	Rabbit antiserum against a purified surface glycoprotein decompacts mouse preimplantation embryos and reacts with specific adult tissues. Experimental Cell Research, 1984, 152, 169-178.	1.2	208