

# Dietmar Vestweber

## List of Publications by Year in descending order

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237  
papers

24,979  
citations

4641

85  
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7931

149  
g-index

335  
all docs

335  
docs citations

335  
times ranked

23391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanisms That Regulate the Function of the Selectins and Their Ligands. <i>Physiological Reviews</i> , 1999, 79, 181-213.	13.1	873
2	Functionally specialized junctions between endothelial cells of lymphatic vessels. <i>Journal of Experimental Medicine</i> , 2007, 204, 2349-2362.	4.2	829
3	P- and E-selectin mediate recruitment of T-helper-1 but not T-helper-2 cells into inflamed tissues. <i>Nature</i> , 1997, 385, 81-83.	13.7	714
4	VE-Cadherin. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 223-232.	1.1	634
5	How leukocytes cross the vascular endothelium. <i>Nature Reviews Immunology</i> , 2015, 15, 692-704.	10.6	607
6	Junctional adhesion molecules (JAMs): more molecules with dual functions?. <i>Journal of Cell Science</i> , 2004, 117, 19-29.	1.2	443
7	GDF-15 is an inhibitor of leukocyte integrin activation required for survival after myocardial infarction in mice. <i>Nature Medicine</i> , 2011, 17, 581-588.	15.2	411
8	Angiopoietins assemble distinct Tie2 signalling complexes in endothelial cell-cell and cell-matrix contacts. <i>Nature Cell Biology</i> , 2008, 10, 527-537.	4.6	406
9	Platelets secrete stromal cell-derived factor 1 $\alpha$ and recruit bone marrow-derived progenitor cells to arterial thrombi in vivo. <i>Journal of Experimental Medicine</i> , 2006, 203, 1221-1233.	4.2	394
10	P-Selectin Glycoprotein Ligand 1 (Psgl-1) Is Expressed on Platelets and Can Mediate Platelet-Endothelial Interactions in Vivo. <i>Journal of Experimental Medicine</i> , 2000, 191, 1413-1422.	4.2	388
11	Junctional Adhesion Molecule Interacts with the PDZ Domain-containing Proteins AF-6 and ZO-1. <i>Journal of Biological Chemistry</i> , 2000, 275, 27979-27988.	1.6	377
12	Platelet-Endothelial Cell Interactions During Ischemia/Reperfusion: The Role of P-Selectin. <i>Blood</i> , 1998, 92, 507-515.	0.6	353
13	The role of differential VE-cadherin dynamics in cell rearrangement during angiogenesis. <i>Nature Cell Biology</i> , 2014, 16, 309-321.	4.6	328
14	Platelet/Polymorphonuclear Leukocyte Interaction: P-Selectin Triggers Protein-Tyrosine Phosphorylation-Dependent CD11b/CD18 Adhesion: Role of PSGL-1 as a Signaling Molecule. <i>Blood</i> , 1999, 93, 876-885.	0.6	313
15	The gene defective in leukocyte adhesion deficiency II encodes a putative GDP-fucose transporter. <i>Nature Genetics</i> , 2001, 28, 69-72.	9.4	301
16	Leukocyte extravasation and vascular permeability are each controlled in vivo by different tyrosine residues of VE-cadherin. <i>Nature Immunology</i> , 2014, 15, 223-230.	7.0	290
17	Discovery of protein phosphatase inhibitor classes by biology-oriented synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 10606-10611.	3.3	288
18	The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. <i>Developmental Cell</i> , 2012, 23, 587-599.	3.1	287

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19	VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. <i>EMBO Journal</i> , 2002, 21, 4885-4895.	3.5	277
20	Expression and distribution of cell adhesion molecule uvomorulin in mouse preimplantation embryos. <i>Developmental Biology</i> , 1987, 124, 451-456.	0.9	268
21	Adhesion and signaling molecules controlling the transmigration of leukocytes through endothelium. <i>Immunological Reviews</i> , 2007, 218, 178-196.	2.8	268
22	Complete Identification of E-Selectin Ligands on Neutrophils Reveals Distinct Functions of PSGL-1, ESL-1, and CD44. <i>Immunity</i> , 2007, 26, 477-489.	6.6	264
23	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. <i>Journal of Experimental Medicine</i> , 1997, 185, 573-578.	4.2	261
24	Correction of Leukocyte Adhesion Deficiency Type II With Oral Fucose. <i>Blood</i> , 1999, 94, 3976-3985.	0.6	255
25	Cell adhesion dynamics at endothelial junctions: VE-cadherin as a major player. <i>Trends in Cell Biology</i> , 2009, 19, 8-15.	3.6	253
26	Molecular Mechanisms Involved in Lymphocyte Recruitment in Inflamed Brain Microvessels: Critical Roles for P-Selectin Glycoprotein Ligand-1 and Heterotrimeric Gi-Linked Receptors. <i>Journal of Immunology</i> , 2002, 168, 1940-1949.	0.4	246
27	Endothelial basement membrane laminin $\hat{1}\pm 5$ selectively inhibits T lymphocyte extravasation into the brain. <i>Nature Medicine</i> , 2009, 15, 519-527.	15.2	235
28	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. <i>Journal of Cell Science</i> , 2003, 116, 3879-3891.	1.2	234
29	Stabilizing the VE-cadherin-catenin complex blocks leukocyte extravasation and vascular permeability. <i>EMBO Journal</i> , 2011, 30, 4157-4170.	3.5	222
30	Spatial regulation of VEGF receptor endocytosis in angiogenesis. <i>Nature Cell Biology</i> , 2013, 15, 249-260.	4.6	221
31	Neutrophil Tethering on E-Selectin Activates $\hat{1}22$ Integrin Binding to ICAM-1 Through a Mitogen-Activated Protein Kinase Signal Transduction Pathway. <i>Journal of Immunology</i> , 2000, 164, 4348-4358.	0.4	218
32	Expression of P-selectin on Endothelial Cells is Upregulated by LPS and TNF- $\hat{1}\pm$ in Vivo. <i>Cell Adhesion and Communication</i> , 1994, 2, 7-14.	1.7	212
33	Rabbit antiserum against a purified surface glycoprotein decompacts mouse preimplantation embryos and reacts with specific adult tissues. <i>Experimental Cell Research</i> , 1984, 152, 169-178.	1.2	208
34	ESAM supports neutrophil extravasation, activation of Rho, and VEGF-induced vascular permeability. <i>Journal of Experimental Medicine</i> , 2006, 203, 1671-1677.	4.2	207
35	Multistep Nature of Microvascular Recruitment of Ex Vivo "expanded Embryonic Endothelial Progenitor Cells during Tumor Angiogenesis. <i>Journal of Experimental Medicine</i> , 2003, 197, 1755-1765.	4.2	204
36	VE-PTP maintains the endothelial barrier via plakoglobin and becomes dissociated from VE-cadherin by leukocytes and by VEGF. <i>Journal of Experimental Medicine</i> , 2008, 205, 2929-2945.	4.2	197

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37	A Transmembrane Tight Junction Protein Selectively Expressed on Endothelial Cells and Platelets. <i>Journal of Biological Chemistry</i> , 2002, 277, 16294-16303.	1.6	196
38	Only simultaneous blocking of the L- and P-selectin completely inhibits neutrophil migration into mouse peritoneum. <i>European Journal of Immunology</i> , 1994, 24, 3019-3024.	1.6	195
39	Cell-adhesion molecule uvomorulin during kidney development. <i>Developmental Biology</i> , 1985, 112, 213-221.	0.9	187
40	von Willebrand factor promotes leukocyte extravasation. <i>Blood</i> , 2010, 116, 4712-4719.	0.6	179
41	Targeting VE-PTP activates TIE2 and stabilizes the ocular vasculature. <i>Journal of Clinical Investigation</i> , 2014, 124, 4564-4576.	3.9	174
42	Interfering with VE-PTP stabilizes endothelial junctions in vivo via Tie-2 in the absence of VE-cadherin. <i>Journal of Experimental Medicine</i> , 2015, 212, 2267-2287.	4.2	172
43	Esm1 Modulates Endothelial Tip Cell Behavior and Vascular Permeability by Enhancing VEGF Bioavailability. <i>Circulation Research</i> , 2014, 115, 581-590.	2.0	171
44	Integrin $\beta$ 21 controls VE-cadherin localization and blood vessel stability. <i>Nature Communications</i> , 2015, 6, 6429.	5.8	171
45	PSGL-1 participates in E-selectin-mediated progenitor homing to bone marrow: evidence for cooperation between E-selectin ligands and $\beta$ 4 integrin. <i>Blood</i> , 2003, 102, 2060-2067.	0.6	170
46	Adherent Platelets Recruit and Induce Differentiation of Murine Embryonic Endothelial Progenitor Cells to Mature Endothelial Cells In Vitro. <i>Circulation Research</i> , 2006, 98, e2-10.	2.0	168
47	E- and P-Selectin Are Not Involved in the Recruitment of Inflammatory Cells Across the Blood-Brain Barrier in Experimental Autoimmune Encephalomyelitis. <i>Blood</i> , 1997, 90, 4459-4472.	0.6	167
48	VE-PTP controls blood vessel development by balancing Tie-2 activity. <i>Journal of Cell Biology</i> , 2009, 185, 657-671.	2.3	167
49	Dissociation of VE-PTP from VE-cadherin is required for leukocyte extravasation and for VEGF-induced vascular permeability in vivo. <i>Journal of Experimental Medicine</i> , 2011, 208, 2393-2401.	4.2	165
50	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
51	Cell surface levels of endothelial ICAM-1 influence the transcellular or paracellular cell diapedesis across the blood-brain barrier. <i>European Journal of Immunology</i> , 2015, 45, 1043-1058.	1.6	156
52	Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. <i>Journal of Cell Science</i> , 2008, 121, 29-37.	1.2	148
53	Mouse CD99 participates in T-cell recruitment into inflamed skin. <i>Blood</i> , 2004, 104, 3205-3213.	0.6	141
54	Extracellular MRP8/14 is a regulator of $\beta$ 2 integrin-dependent neutrophil slow rolling and adhesion. <i>Nature Communications</i> , 2015, 6, 6915.	5.8	141

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55	Î²2 Integrin-Mediated Crawling on Endothelial ICAM-1 and ICAM-2 Is a Prerequisite for Transcellular Neutrophil Diapedesis across the Inflamed Blood-Brain Barrier. <i>Journal of Immunology</i> , 2014, 192, 324-337.	0.4	139
56	L-Selectin from Human, but Not from Mouse Neutrophils Binds Directly to E-Selectin. <i>Journal of Cell Biology</i> , 1997, 136, 707-716.	2.3	138
57	Vascular endothelial cell-specific phosphotyrosine phosphatase (VE-PTP) activity is required for blood vessel development. <i>Blood</i> , 2006, 107, 4754-4762.	0.6	138
58	Cortactin deficiency is associated with reduced neutrophil recruitment but increased vascular permeability in vivo. <i>Journal of Experimental Medicine</i> , 2011, 208, 1721-1735.	4.2	136
59	VLA-4 blockade promotes differential routes into human CNS involving PSGL-1 rolling of T cells and MCAM-adhesion of TH17 cells. <i>Journal of Experimental Medicine</i> , 2014, 211, 1833-1846.	4.2	134
60	Title is missing!. <i>Nature Genetics</i> , 2001, 28, 69-72.	9.4	132
61	Stimulation of P-selectin glycoprotein ligand-1 on mouse neutrophils activates Î²2-integrin mediated cell attachment to ICAM-1. <i>European Journal of Immunology</i> , 1998, 28, 433-443.	1.6	131
62	Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity. <i>Circulation</i> , 2017, 136, 388-403.	1.6	128
63	Endothelial Basement Membrane Laminin 511 Contributes to Endothelial Junctional Tightness and Thereby Inhibits Leukocyte Transmigration. <i>Cell Reports</i> , 2017, 18, 1256-1269.	2.9	125
64	Increased Expression of Syndecan-1 Protects Against Cardiac Dilatation and Dysfunction After Myocardial Infarction. <i>Circulation</i> , 2007, 115, 475-482.	1.6	123
65	Proinflammatory role of proteinase-activated receptor-2 in humans and mice during cutaneous inflammation in vivo. <i>FASEB Journal</i> , 2003, 17, 1871-1885.	0.2	121
66	Coxsackievirus-adenovirus receptor (CAR) is essential for early embryonic cardiac development. <i>Journal of Cell Science</i> , 2005, 118, 3509-3521.	1.2	121
67	The P-Selectin Glycoprotein Ligand-1 Is Important for Recruitment of Neutrophils Into Inflamed Mouse Peritoneum. <i>Blood</i> , 1997, 90, 1934-1942.	0.6	120
68	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
69	Control of Neonatal Tolerance to Tissue Antigens by Peripheral T Cell Trafficking. , 1998, 282, 1338-1341.		119
70	Leukocyte adhesion deficiency II syndrome, a generalized defect in fucose metabolism. <i>Journal of Pediatrics</i> , 1999, 134, 681-688.	0.9	119
71	Association of Csk to VE-cadherin and inhibition of cell proliferation. <i>EMBO Journal</i> , 2005, 24, 1686-1695.	3.5	118
72	E- and P-Selectin Are Not Required for the Development of Experimental Autoimmune Encephalomyelitis in C57BL/6 and SJL Mice. <i>Journal of Immunology</i> , 2007, 179, 8470-8479.	0.4	117

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73	Regulation of endothelial cell contacts during leukocyte extravasation. <i>Current Opinion in Cell Biology</i> , 2002, 14, 587-593.	2.6	115
74	Agonists of Proteinase-Activated Receptor-2 Stimulate Upregulation of Intercellular Cell Adhesion Molecule-1 in Primary Human Keratinocytes via Activation of NF-kappa B. <i>Journal of Investigative Dermatology</i> , 2005, 124, 38-45.	0.3	115
75	Relevance of endothelial junctions in leukocyte extravasation and vascular permeability. <i>Annals of the New York Academy of Sciences</i> , 2012, 1257, 184-192.	1.8	115
76	Active MAC-1 (CD11b/CD18) on DCs inhibits full T-cell activation. <i>Blood</i> , 2007, 109, 661-669.	0.6	113
77	Molecular mechanisms that control endothelial cell contacts. , 2000, 190, 281-291.		112
78	VEGFR2 pY949 signalling regulates adherens junction integrity and metastatic spread. <i>Nature Communications</i> , 2016, 7, 11017.	5.8	111
79	Heat-stable antigen (CD24) as ligand for mouse P-selectin. <i>International Immunology</i> , 1994, 6, 1027-1036.	1.8	110
80	Single Injection of P-Selectin or P-Selectin Glycoprotein Ligand-1 Monoclonal Antibody Blocks Neointima Formation After Arterial Injury in Apolipoprotein E-Deficient Mice. <i>Circulation</i> , 2003, 107, 2244-2249.	1.6	106
81	A Novel Gene Expression Profile in Lymphatics Associated with Tumor Growth and Nodal Metastasis. <i>Cancer Research</i> , 2008, 68, 7293-7303.	0.4	103
82	A murine DC-SIGN homologue contributes to early host defense against <i>Mycobacterium tuberculosis</i> . <i>Journal of Experimental Medicine</i> , 2009, 206, 2205-2220.	4.2	98
83	Vascular Endothelial Cadherin Promotes Breast Cancer Progression via Transforming Growth Factor $\beta^2$ Signaling. <i>Cancer Research</i> , 2008, 68, 1388-1397.	0.4	96
84	Flow Dynamics and HSPC Homing in Bone Marrow Microvessels. <i>Cell Reports</i> , 2017, 18, 1804-1816.	2.9	96
85	The Binding of T Cell-expressed P-selectin Glycoprotein Ligand-1 to E- and P-selectin Is Differentially Regulated. <i>Journal of Biological Chemistry</i> , 1997, 272, 28786-28792.	1.6	95
86	A CD99-related antigen on endothelial cells mediates neutrophil but not lymphocyte extravasation in vivo. <i>Blood</i> , 2007, 109, 5327-5336.	0.6	95
87	Platelet-Endothelial Cell Interactions During Ischemia/Reperfusion: The Role of P-Selectin. <i>Blood</i> , 1998, 92, 507-515.	0.6	92
88	In Vitro Degradation of Endothelial Catenins by a Neutrophil Protease. <i>Journal of Cell Biology</i> , 1998, 140, 403-407.	2.3	91
89	Interleukin-6 is a direct mediator of $\alpha$ 4 $\beta$ 1 cell migration. <i>European Journal of Immunology</i> , 2004, 34, 2895-2906.	1.6	91
90	P-Selectin Glycoprotein Ligand 1 Is Not Required for the Development of Experimental Autoimmune Encephalomyelitis in SJL and C57BL/6 Mice. <i>Journal of Immunology</i> , 2005, 175, 1267-1275.	0.4	87

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91	Distinct molecular composition of blood and lymphatic vascular endothelial cell junctions establishes specific functional barriers within the peripheral lymph node. <i>European Journal of Immunology</i> , 2008, 38, 2142-2155.	1.6	87
92	Stereochemistry triggered differential cell behaviours on chiral polymer surfaces. <i>Soft Matter</i> , 2010, 6, 3851.	1.2	86
93	Some structural and functional aspects of the cell adhesion molecule uvomorulin. <i>Cell Differentiation</i> , 1984, 15, 269-273.	1.3	85
94	Context-dependent functions of angiopoietin 2 are determined by the endothelial phosphatase VEPTP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1298-1303.	3.3	85
95	A distinct PAR complex associates physically with VE-cadherin in vertebrate endothelial cells. <i>EMBO Reports</i> , 2006, 7, 1239-1246.	2.0	84
96	Biochemical Characterization and Molecular Cloning of a Novel Endothelial-Specific Sialomucin. <i>Blood</i> , 1999, 93, 165-175.	0.6	82
97	Endothelial adhesion molecule ESAM binds directly to the multidomain adaptor MAGI-1 and recruits it to cell contacts. <i>Experimental Cell Research</i> , 2004, 300, 121-133.	1.2	81
98	GDF-15 inhibits integrin activation and mouse neutrophil recruitment through the ALK-5/TGF- $\beta$ 2RII heterodimer. <i>Blood</i> , 2016, 128, 529-541.	0.6	81
99	Mechanisms Ensuring Endothelial Junction Integrity Beyond VE-Cadherin. <i>Frontiers in Physiology</i> , 2020, 11, 519.	1.3	79
100	Affinity, Kinetics, and Thermodynamics of E-selectin Binding to E-selectin Ligand-1. <i>Journal of Biological Chemistry</i> , 2001, 276, 31602-31612.	1.6	78
101	EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. <i>Thrombosis and Haemostasis</i> , 2009, 101, 682-686.	1.8	78
102	Endothelial LSP1 is involved in endothelial dome formation, minimizing vascular permeability changes during neutrophil transmigration in vivo. <i>Blood</i> , 2011, 117, 942-952.	0.6	78
103	Leukocyte Adhesion Deficiency II: Therapy and Genetic Defect. <i>Cells Tissues Organs</i> , 2002, 172, 161-173.	1.3	77
104	CD99 and CD99L2 act at the same site as, but independently of, PECAM-1 during leukocyte diapedesis. <i>Blood</i> , 2010, 116, 1172-1184.	0.6	77
105	NF- $\kappa$ B inhibitor targeted to activated endothelium demonstrates a critical role of endothelial NF- $\kappa$ B in immune-mediated diseases. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 16556-16561.	3.3	77
106	Cell-matrix interactions during development and apoptosis of the mouse mammary gland in vivo. <i>Developmental Dynamics</i> , 2002, 223, 497-516.	0.8	76
107	Leukocyte adhesion deficiency II patients with a dual defect of the GDP-fucose transporter. <i>Blood</i> , 2006, 107, 3959-3966.	0.6	76
108	Immature mouse dendritic cells enter inflamed tissue, a process that requires E- and P-selectin, but not P-selectin glycoprotein ligand 1. <i>Blood</i> , 2002, 99, 946-956.	0.6	75

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109	Junctional adhesion molecule-A participates in the formation of apico-basal polarity through different domains. <i>Experimental Cell Research</i> , 2006, 312, 3389-3403.	1.2	75
110	Functional Role of P-Selectin Glycoprotein Ligand 1/P-Selectin Interaction in the Generation of Tolerogenic Dendritic Cells. <i>Journal of Immunology</i> , 2007, 179, 7457-7465.	0.4	75
111	A molecular map of murine lymph node blood vascular endothelium at single cell resolution. <i>Nature Communications</i> , 2020, 11, 3798.	5.8	74
112	Differential Effect of E-Selectin Antibodies on Neutrophil Rolling and Recruitment to Inflammatory Sites. <i>Blood</i> , 1997, 89, 3009-3018.	0.6	73
113	Endomucin, a CD34-like sialomucin, marks hematopoietic stem cells throughout development. <i>Journal of Experimental Medicine</i> , 2005, 202, 1483-1492.	4.2	71
114	The endothelial antigen ESAM marks primitive hematopoietic progenitors throughout life in mice. <i>Blood</i> , 2009, 113, 2914-2923.	0.6	68
115	How T cells trigger the dissociation of the endothelial receptor phosphatase VE-PTP from VE-cadherin. <i>Blood</i> , 2013, 122, 2512-2522.	0.6	68
116	Sialyltransferase ST3Gal-IV controls CXCR2-mediated firm leukocyte arrest during inflammation. <i>Journal of Experimental Medicine</i> , 2008, 205, 1435-1446.	4.2	66
117	Blocking neutrophil diapedesis prevents hemorrhage during thrombocytopenia. <i>Journal of Experimental Medicine</i> , 2015, 212, 1255-1266.	4.2	66
118	In vitro cellular handling and in vivo targeting of E-selectin-directed immunoconjugates and immunoliposomes used for drug delivery to inflamed endothelium. <i>Pharmaceutical Research</i> , 2003, 20, 64-72.	1.7	65
119	Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. <i>ELife</i> , 2020, 9, .	2.8	65
120	Similarities and differences in the regulation of leukocyte extravasation and vascular permeability. <i>Seminars in Immunopathology</i> , 2014, 36, 177-192.	2.8	64
121	Human Endomucin. <i>American Journal of Pathology</i> , 2002, 160, 1669-1681.	1.9	63
122	Golgi GDP-fucose Transporter-deficient Mice Mimic Congenital Disorder of Glycosylation IIc/Leukocyte Adhesion Deficiency II. <i>Journal of Biological Chemistry</i> , 2007, 282, 10762-10772.	1.6	62
123	The Adhesion Molecule Esam1 Is a Novel Hematopoietic Stem Cell Marker. <i>Stem Cells</i> , 2009, 27, 653-661.	1.4	62
124	Distinct roles of VE-cadherin for development and maintenance of specific lymph vessel beds. <i>EMBO Journal</i> , 2018, 37, .	3.5	62
125	Novel insights into leukocyte extravasation. <i>Current Opinion in Hematology</i> , 2012, 19, 212-217.	1.2	60
126	Blocking Von Willebrand Factor for Treatment of Cutaneous Inflammation. <i>Journal of Investigative Dermatology</i> , 2014, 134, 77-86.	0.3	59



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127	<i>Borrelia burgdorferi</i> Upregulates the Adhesion Molecules E-selectin, P-selectin, ICAM-1 and VCAM-1 on Mouse Endothelioma Cells <i>in vitro</i> . <i>Cell Adhesion and Communication</i> , 1994, 2, 145-157.	1.7	58
128	Pathogenic Role of P-Selectin in Experimental Cerebral Malaria. <i>American Journal of Pathology</i> , 2004, 164, 781-786.	1.9	58
129	Discontinuation of fucose therapy in LADII causes rapid loss of selectin ligands and rise of leukocyte counts. <i>Blood</i> , 2001, 97, 330-332.	0.6	57
130	Anti-inflammatory mechanisms and therapeutic opportunities in myocardial infarct healing. <i>Journal of Molecular Medicine</i> , 2012, 90, 361-369.	1.7	57
131	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. <i>Frontiers in Immunology</i> , 2017, 8, 406.	2.2	56
132	Role of the Heparan Sulfate Proteoglycan Syndecan-1 (CD138) in Delayed-Type Hypersensitivity. <i>Journal of Immunology</i> , 2009, 182, 4985-4993.	0.4	54
133	Early expression of endomucin on endothelium of the mouse embryo and on putative hematopoietic clusters in the dorsal aorta. <i>Developmental Dynamics</i> , 2001, 222, 410-419.	0.8	53
134	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
135	Immunoblockade of PSGL-1 attenuates established experimental murine colitis by reduction of leukocyte rolling. <i>American Journal of Physiology - Renal Physiology</i> , 2004, 287, G115-G124.	1.6	52
136	Expression of Endothelial Cell Adhesion Molecules in Joints and Heart during <i>Borrelia burgdorferi</i> Infection of Mice. <i>Cell Adhesion and Communication</i> , 1994, 2, 465-479.	1.7	50
137	MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. <i>Journal of Clinical Investigation</i> , 2016, 126, 4125-4139.	3.9	50
138	Ligand-specificity of the selectins. , 1996, 61, 585-591.		48
139	Leukocyte integrin activation and deactivation: novel mechanisms of balancing inflammation. <i>Journal of Molecular Medicine</i> , 2012, 90, 353-359.	1.7	48
140	Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. <i>Journal of Clinical Investigation</i> , 2020, 130, 2301-2318.	3.9	48
141	Circadian clocks guide dendritic cells into skin lymphatics. <i>Nature Immunology</i> , 2021, 22, 1375-1381.	7.0	47
142	Selectins: Cell surface lectins which mediate the binding of leukocytes to endothelial cells. <i>Seminars in Cell Biology</i> , 1992, 3, 211-220.	3.5	46
143	The E-selectin Ligand-1 Is Selectively Activated in Chinese Hamster Ovary Cells by the $\beta$ (1,3)-Fucosyltransferases IV and VII. <i>Journal of Biological Chemistry</i> , 1996, 271, 33002-33008.	1.6	46
144	Phosphatases and kinases as regulators of the endothelial barrier function. <i>Cell and Tissue Research</i> , 2014, 355, 577-586.	1.5	46

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145	Loss of cortactin causes endothelial barrier dysfunction via disturbed adrenomedullin secretion and actomyosin contractility. <i>Scientific Reports</i> , 2016, 6, 29003.	1.6	46
146	Vaccination against CD99 inhibits atherogenesis in low-density lipoprotein receptor-deficient mice. <i>Cardiovascular Research</i> , 2008, 78, 590-596.	1.8	43
147	Control of endothelial barrier function by regulating vascular endothelial-cadherin. <i>Current Opinion in Hematology</i> , 2010, 17, 230-236.	1.2	40
148	The $\alpha(1,3)$ -Fucosyltransferase Fuc-TIV, but Not Fuc-TVII, Generates Sialyl Lewis X-like Epitopes Preferentially on Glycolipids. <i>Journal of Biological Chemistry</i> , 2002, 277, 47786-47795.	1.6	39
149	Human CCR5 <sup>high</sup> effector memory cells perform CNS parenchymal immune surveillance via GZMK-mediated transendothelial diapedesis. <i>Brain</i> , 2019, 142, 3411-3427.	3.7	39
150	Platelets docking to VWF prevent leaks during leukocyte extravasation by stimulating Tie-2. <i>Blood</i> , 2020, 136, 627-639.	0.6	39
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