# Dietmar Vestweber

List of Publications by Year
in descending order



| 237 | 24,979 | 4658 85 | 7949 149 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 335 | 335 | 335 | 23391 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Mechanisms That Regulate the Function of the Selectins and Their Ligands. Physiological Reviews, 1999, 79, 181-213. | 28.8 | 873 |
| 2 | Functionally specialized junctions between endothelial cells of lymphatic vessels. Journal of Experimental Medicine, 2007, 204, 2349-2362. | 8.5 | 829 |
| 3 | P- and E-selectin mediate recruitment of T-helper-1 but not T-helper-2 cells into inflamed tissues. Nature, 1997, 385, 81-83. | 27.8 | 714 |
| 4 | VE-Cadherin. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 223-232. | 2.4 | 634 |
| 5 | How leukocytes cross the vascular endothelium. Nature Reviews Immunology, 2015, 15, 692-704. | 22.7 | 607 |
| 6 | Junctional adhesion molecules (JAMs): more molecules with dual functions?. Journal of Cell Science, 2004, 117, 19-29. | 2.0 | 443 |
| 7 | GDF-15 is an inhibitor of leukocyte integrin activation required for survival after myocardial infarction in mice. Nature Medicine, 2011, 17, 581-588. | 30.7 | 411 |
| 8 | Angiopoietins assemble distinct Tie2 signalling complexes in endothelial cellâ€“cell and cellâ€“matrix contacts. Nature Cell Biology, 2008, 10, 527-537. | 10.3 | 406 |
| 9 | 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. | 8.5 | 394 |
| 10 | 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. | 8.5 | 388 |
| 11 | Junctional Adhesion Molecule Interacts with the PDZ Domain-containing Proteins AF-6 and ZO-1. Journal of Biological Chemistry, 2000, 275, 27979-27988. | 3.4 | 377 |
| 12 | Platelet-Endothelial Cell Interactions During Ischemia/Reperfusion: The Role of P-Selectin. Blood, 1998, 92, 507-515. | 1.4 | 353 |
| 13 | The role of differential VE-cadherin dynamics in cell rearrangement during angiogenesis. Nature Cell Biology, 2014, 16, 309-321. | 10.3 | 328 |
| 14 | 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. | 1.4 | 313 |
| 15 | The gene defective in leukocyte adhesion deficiency II encodes a putative GDP-fucose transporter. Nature Genetics, 2001, 28, 69-72. | 21.4 | 301 |
| 16 | Leukocyte extravasation and vascular permeability are each controlled in vivo by different tyrosine residues of VE-cadherin. Nature Immunology, 2014, 15, 223-230. | 14.5 | 290 |
| 17 | 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. | 7.1 | 288 |
| 18 | The Sphingosine-1-Phosphate Receptor S1PR1 Restricts Sprouting Angiogenesis by Regulating the Interplay between VE-Cadherin and VEGFR2. Developmental Cell, 2012, 23, 587-599. | 7.0 | 287 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | VE-PTP and VE-cadherin ectodomains interact to facilitate regulation of phosphorylation and cell contacts. EMBO Journal, 2002, 21, 4885-4895. | 7.8 | 277 |
| 20 | Expression and distribution of cell adhesion molecule uvomorulin in mouse preimplantation embryos. Developmental Biology, 1987, 124, 451-456. | 2.0 | 268 |
| 21 | Adhesion and signaling molecules controlling the transmigration of leukocytes through endothelium. Immunological Reviews, 2007, 218, 178-196. | 6.0 | 268 |
| 22 | Complete Identification of E-Selectin Ligands on Neutrophils Reveals Distinct Functions of PSGL-1, ESL-1, and CD44. Immunity, 2007, 26, 477-489. | 14.3 | 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. Journal of Experimental Medicine, 1997, 185, 573-578. | 8.5 | 261 |
| 24 | Correction of Leukocyte Adhesion Deficiency Type II With Oral Fucose. Blood, 1999, 94, 3976-3985. | 1.4 | 255 |
| 25 | Cell adhesion dynamics at endothelial junctions: VE-cadherin as a major player. Trends in Cell Biology, 2009, 19, 8-15. | 7.9 | 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. Journal of Immunology, 2002, 168, 1940-1949. | 0.8 | 246 |
| 27 | Endothelial basement membrane laminin Î±5 selectively inhibits T lymphocyte extravasation into the brain. Nature Medicine, 2009, 15, 519-527. | 30.7 | 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. Journal of Cell Science, 2003, 116, 3879-3891. | 2.0 | 234 |
| 29 | Stabilizing the VE-cadherin-catenin complex blocks leukocyte extravasation and vascular permeability. EMBO Journal, 2011, 30, 4157-4170. | 7.8 | 222 |
| 30 | Spatial regulation of VEGF receptor endocytosis in angiogenesis. Nature Cell Biology, 2013, 15, 249-260. | 10.3 | 221 |
| 31 | 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. | 0.8 | 218 |
| 32 | 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 |
| 33 | Rabbit antiserum against a purified surface glycoprotein decompacts mouse preimplantation embryos and reacts with specific adult tissues. Experimental Cell Research, 1984, 152, 169-178. | 2.6 | 208 |
| 34 | ESAM supports neutrophil extravasation, activation of Rho, and VEGF-induced vascular permeability. Journal of Experimental Medicine, 2006, 203, 1671-1677. | 8.5 | 207 |
| 35 | Multistep Nature of Microvascular Recruitment of Ex Vivoâ€“expanded Embryonic Endothelial Progenitor Cells during Tumor Angiogenesis. Journal of Experimental Medicine, 2003, 197, 1755-1765. | 8.5 | 204 |
| 36 | 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. | 8.5 | 197 |

| # | Article | IF | Citations |
|---|---|---|---|
| 37 | A Transmembrane Tight Junction Protein Selectively Expressed on Endothelial Cells and Platelets. Journal of Biological Chemistry, 2002, 277, 16294-16303. | 3.4 | 196 |
| 38 | Only simultaneous blocking of the L- and P-selectin completely inhibits neutrophil migration into mouse peritoneum. European Journal of Immunology, 1994, 24, 3019-3024. | 2.9 | 195 |
| 39 | Cell-adhesion molecule uvomorulin during kidney development. Developmental Biology, 1985, 112, 213-221. | 2.0 | 187 |
| 40 | von Willebrand factor promotes leukocyte extravasation. Blood, 2010, 116, 4712-4719. | 1.4 | 179 |
| 41 | Targeting VE-PTP activates TIE2 and stabilizes the ocular vasculature. Journal of Clinical Investigation, 2014, 124, 4564-4576. | 8.2 | 174 |
| 42 | 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. | 8.5 | 172 |
| 43 | Esm1 Modulates Endothelial Tip Cell Behavior and Vascular Permeability by Enhancing VEGF Bioavailability. Circulation Research, 2014, 115, 581-590. | 4.5 | 171 |
| 44 | Integrin Î²1 controls VE-cadherin localization and blood vessel stability. Nature Communications, 2015, 6, 6429. | 12.8 | 171 |
| 45 | 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. | 1.4 | 170 |
| 46 | Adherent Platelets Recruit and Induce Differentiation of Murine Embryonic Endothelial Progenitor Cells to Mature Endothelial Cells In Vitro. Circulation Research, 2006, 98, e2-10. | 4.5 | 168 |
| 47 | 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. | 1.4 | 167 |
| 48 | VE-PTP controls blood vessel development by balancing Tie-2 activity. Journal of Cell Biology, 2009, 185, 657-671. | 5.2 | 167 |
| 49 | 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. | 8.5 | 165 |
| 50 | The Role of VE-Cadherin in Vascular Morphogenesis and Permeability Control. Progress in Molecular Biology and Translational Science, 2013, 116, 119-144. | 1.7 | 161 |
| 51 | 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. | 2.9 | 156 |
| 52 | Phosphorylation of vascular endothelial cadherin controls lymphocyte emigration. Journal of Cell Science, 2008, 121, 29-37. | 2.0 | 148 |
| 53 | Mouse CD99 participates in T-cell recruitment into inflamed skin. Blood, 2004, 104, 3205-3213. | 1.4 | 141 |
| 54 | Extracellular MRP8/14 is a regulator of Î²2 integrin-dependent neutrophil slow rolling and adhesion. Nature Communications, 2015, 6, 6915. | 12.8 | 141 |

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| 55 | 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. | 0.8 | 139 |
| 56 | L-Selectin from Human, but Not from Mouse Neutrophils Binds Directly to E-Selectin. Journal of Cell Biology, 1997, 136, 707-716. | 5.2 | 138 |
| 57 | Vascular endothelial cellâ€“specific phosphotyrosine phosphatase (VE-PTP) activity is required for blood vessel development. Blood, 2006, 107, 4754-4762. | 1.4 | 138 |
| 58 | Cortactin deficiency is associated with reduced neutrophil recruitment but increased vascular permeability in vivo. Journal of Experimental Medicine, 2011, 208, 1721-1735. | 8.5 | 136 |
| 59 | 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. | 8.5 | 134 |
| 60 | Title is missing!. Nature Genetics, 2001, 28, 69-72. | 21.4 | 132 |
| 61 | 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. | 2.9 | 131 |
| 62 | Vascular CXCR4 Limits Atherosclerosis by Maintaining Arterial Integrity. Circulation, 2017, 136, 388-403. | 1.6 | 128 |
| 63 | Endothelial Basement Membrane Laminin 511 Contributes to Endothelial Junctional Tightness and Thereby Inhibits Leukocyte Transmigration. Cell Reports, 2017, 18, 1256-1269. | 6.4 | 125 |
| 64 | Increased Expression of Syndecan-1 Protects Against Cardiac Dilatation and Dysfunction After Myocardial Infarction. Circulation, 2007, 115, 475-482. | 1.6 | 123 |
| 65 | Proinflammatory role of proteinaseâ€activated receptorâ€2 in humans and mice during cutaneous inflammation in vivo. FASEB Journal, 2003, 17, 1871-1885. | 0.5 | 121 |
| 66 | Coxsackievirus-adenovirus receptor (CAR) is essential for early embryonic cardiac development. Journal of Cell Science, 2005, 118, 3509-3521. | 2.0 | 121 |
| 67 | The P-Selectin Glycoprotein Ligand-1 Is Important for Recruitment of Neutrophils Into Inflamed Mouse Peritoneum. Blood, 1997, 90, 1934-1942. | 1.4 | 120 |
| 68 | VE-PTP regulates VEGFR2 activity in stalk cells to establish endothelial cell polarity and lumen formation. Nature Communications, 2013, 4, 1672. | 12.8 | 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. Journal of Pediatrics, 1999, 134, 681-688. | 1.8 | 119 |
| 71 | Association of Csk to VE-cadherin and inhibition of cell proliferation. EMBO Journal, 2005, 24, 1686-1695. | 7.8 | 118 |
| 72 | 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. | 0.8 | 117 |

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|---|---|---|---|
| 73 | Regulation of endothelial cell contacts during leukocyte extravasation. Current Opinion in Cell Biology, 2002, 14, 587-593. | 5.4 | 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. Journal of Investigative Dermatology, 2005, 124, 38-45. | 0.7 | 115 |
| 75 | Relevance of endothelial junctions in leukocyte extravasation and vascular permeability. Annals of the New York Academy of Sciences, 2012, 1257, 184-192. | 3.8 | 115 |
| 76 | Active MAC-1 (CD11b/CD18) on DCs inhibits full T-cell activation. Blood, 2007, 109, 661-669. | 1.4 | 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. Nature Communications, 2016, 7, 11017. | 12.8 | 111 |
| 79 | Heat-stable antigen (CD24) as ligand for mouse P-selectin. International Immunology, 1994, 6, 1027-1036. | 4.0 | 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. Circulation, 2003, 107, 2244-2249. | 1.6 | 106 |
| 81 | A Novel Gene Expression Profile in Lymphatics Associated with Tumor Growth and Nodal Metastasis. Cancer Research, 2008, 68, 7293-7303. | 0.9 | 103 |
| 82 | A murine DC-SIGN homologue contributes to early host defense against Mycobacterium tuberculosis. Journal of Experimental Medicine, 2009, 206, 2205-2220. | 8.5 | 98 |
| 83 | Vascular Endothelial Cadherin Promotes Breast Cancer Progression via Transforming Growth Factor Î² Signaling. Cancer Research, 2008, 68, 1388-1397. | 0.9 | 96 |
| 84 | Flow Dynamics and HSPC Homing in Bone Marrow Microvessels. Cell Reports, 2017, 18, 1804-1816. | 6.4 | 96 |
| 85 | 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. | 3.4 | 95 |
| 86 | A CD99-related antigen on endothelial cells mediates neutrophil but not lymphocyte extravasation in vivo. Blood, 2007, 109, 5327-5336. | 1.4 | 95 |
| 87 | Platelet-Endothelial Cell Interactions During Ischemia/Reperfusion: The Role of P-Selectin. Blood, 1998, 92, 507-515. | 1.4 | 92 |
| 88 | In Vitro Degradation of Endothelial Catenins by a Neutrophil Protease. Journal of Cell Biology, 1998, 140, 403-407. | 5.2 | 91 |
| 89 | Interleukin-6 is a direct mediator of Tâ€„cell migration. European Journal of Immunology, 2004, 34, 2895-2906. | 2.9 | 91 |
| 90 | 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. | 0.8 | 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. European Journal of Immunology, 2008, 38, 2142-2155. | 2.9 | 87 |
| 92 | Stereochemistry triggered differential cell behaviours on chiral polymer surfaces. Soft Matter, 2010, 6, 3851. | 2.7 | 86 |
| 93 | Some structural and functional aspects of the cell adhesion molecule uvomorulin. Cell Differentiation, 1984, 15, 269-273. | 0.4 | 85 |
| 94 | 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. | 7.1 | 85 |
| 95 | A distinct PAR complex associates physically with VEâ€cadherin in vertebrate endothelial cells. EMBO Reports, 2006, 7, 1239-1246. | 4.5 | 84 |
| 96 | Biochemical Characterization and Molecular Cloning of a Novel Endothelial-Specific Sialomucin. Blood, 1999, 93, 165-175. | 1.4 | 82 |
| 97 | 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. | 2.6 | 81 |
| 98 | GDF-15 inhibits integrin activation and mouse neutrophil recruitment through the ALK-5/TGF-Î²RII heterodimer. Blood, 2016, 128, 529-541. | 1.4 | 81 |
| 99 | Mechanisms Ensuring Endothelial Junction Integrity Beyond VE-Cadherin. Frontiers in Physiology, 2020, 11, 519. | 2.8 | 79 |
| 100 | Affinity, Kinetics, and Thermodynamics of E-selectin Binding to E-selectin Ligand-1. Journal of Biological Chemistry, 2001, 276, 31602-31612. | 3.4 | 78 |
| 101 | EMMPRIN (CD147) is a novel receptor for platelet GPVI and mediates platelet rolling via GPVI-EMMPRIN interaction. Thrombosis and Haemostasis, 2009, 101, 682-686. | 3.4 | 78 |
| 102 | Endothelial LSP1 is involved in endothelial dome formation, minimizing vascular permeability changes during neutrophil transmigration in vivo. Blood, 2011, 117, 942-952. | 1.4 | 78 |
| 103 | Leukocyte Adhesion Deficiency II: Therapy and Genetic Defect. Cells Tissues Organs, 2002, 172, 161-173. | 2.3 | 77 |
| 104 | CD99 and CD99L2 act at the same site as, but independently of, PECAM-1 during leukocyte diapedesis. Blood, 2010, 116, 1172-1184. | 1.4 | 77 |
| 105 | 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. | 7.1 | 77 |
| 106 | Cell-matrix interactions during development and apoptosis of the mouse mammary gland in vivo. Developmental Dynamics, 2002, 223, 497-516. | 1.8 | 76 |
| 107 | Leukocyte adhesion deficiency II patients with a dual defect of the GDP-fucose transporter. Blood, 2006, 107, 3959-3966. | 1.4 | 76 |
| 108 | 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. | 1.4 | 75 |

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| 109 | Junctional adhesion molecule-A participates in the formation of apico-basal polarity through different domains. Experimental Cell Research, 2006, 312, 3389-3403. | 2.6 | 75 |
| 110 | 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. | 0.8 | 75 |
| 111 | A molecular map of murine lymph node blood vascular endothelium at single cell resolution. Nature Communications, 2020, 11, 3798. | 12.8 | 74 |
| 112 | Differential Effect of E-Selectin Antibodies on Neutrophil Rolling and Recruitment to Inflammatory Sites. Blood, 1997, 89, 3009-3018. | 1.4 | 73 |
| 113 | Endomucin, a CD34-like sialomucin, marks hematopoietic stem cells throughout development. Journal of Experimental Medicine, 2005, 202, 1483-1492. | 8.5 | 71 |
| 114 | The endothelial antigen ESAM marks primitive hematopoietic progenitors throughout life in mice. Blood, 2009, 113, 2914-2923. | 1.4 | 68 |
| 115 | How T cells trigger the dissociation of the endothelial receptor phosphatase VE-PTP from VE-cadherin. Blood, 2013, 122, 2512-2522. | 1.4 | 68 |
| 116 | Sialyltransferase ST3Gal-IV controls CXCR2-mediated firm leukocyte arrest during inflammation. Journal of Experimental Medicine, 2008, 205, 1435-1446. | 8.5 | 66 |
| 117 | Blocking neutrophil diapedesis prevents hemorrhage during thrombocytopenia. Journal of Experimental Medicine, 2015, 212, 1255-1266. | 8.5 | 66 |
| 118 | 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. | 3.5 | 65 |
| 119 | Vascular permeability in retinopathy is regulated by VEGFR2 Y949 signaling to VE-cadherin. ELife, 2020, 9, . | 6.0 | 65 |
| 120 | Similarities and differences in the regulation of leukocyte extravasation and vascular permeability. Seminars in Immunopathology, 2014, 36, 177-192. | 6.1 | 64 |
| 121 | Human Endomucin. American Journal of Pathology, 2002, 160, 1669-1681. | 3.8 | 63 |
| 122 | Golgi GDP-fucose Transporter-deficient Mice Mimic Congenital Disorder of Glycosylation IIc/Leukocyte Adhesion Deficiency II. Journal of Biological Chemistry, 2007, 282, 10762-10772. | 3.4 | 62 |
| 123 | The Adhesion Molecule Esam1 Is a Novel Hematopoietic Stem Cell Marker. Stem Cells, 2009, 27, 653-661. | 3.2 | 62 |
| 124 | Distinct roles of <scp>VE</scp> â€cadherin for development and maintenance of specific lymph vessel beds. EMBO Journal, 2018, 37, . | 7.8 | 62 |
| 125 | Novel insights into leukocyte extravasation. Current Opinion in Hematology, 2012, 19, 212-217. | 2.5 | 60 |
| 126 | Blocking Von Willebrand Factor for Treatment of Cutaneous Inflammation. Journal of Investigative Dermatology, 2014, 134, 77-86. | 0.7 | 59 |

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| 127 | 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 |
| 128 | Pathogenic Role of P-Selectin in Experimental Cerebral Malaria. American Journal of Pathology, 2004, 164, 781-786. | 3.8 | 58 |
| 129 | Discontinuation of fucose therapy in LADII causes rapid loss of selectin ligands and rise of leukocyte counts. Blood, 2001, 97, 330-332. | 1.4 | 57 |
| 130 | Anti-inflammatory mechanisms and therapeutic opportunities in myocardial infarct healing. Journal of Molecular Medicine, 2012, 90, 361-369. | 3.9 | 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. Frontiers in Immunology, 2017, 8, 406. | 4.8 | 56 |
| 132 | Role of the Heparan Sulfate Proteoglycan Syndecan-1 (CD138) in Delayed-Type Hypersensitivity. Journal of Immunology, 2009, 182, 4985-4993. | 0.8 | 54 |
| 133 | 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. | 1.8 | 53 |
| 134 | VE-Cadherin Phosphorylation Regulates Endothelial Fluid Shear Stress Responses through the Polarity Protein LGN. Current Biology, 2017, 27, 2219-2225.e5. | 3.9 | 53 |
| 135 | Immunoblockade of PSGL-1 attenuates established experimental murine colitis by reduction of leukocyte rolling. American Journal of Physiology - Renal Physiology, 2004, 287, G115-G124. | 3.4 | 52 |
| 136 | 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 |
| 137 | MST1-dependent vesicle trafficking regulates neutrophil transmigration through the vascular basement membrane. Journal of Clinical Investigation, 2016, 126, 4125-4139. | 8.2 | 50 |
| 138 | Ligand-specificity of the selectins. Journal of Cellular Biochemistry, 1996, 61, 585-591. | 2.6 | 48 |
| 139 | Leukocyte integrin activation and deactivation: novel mechanisms of balancing inflammation. Journal of Molecular Medicine, 2012, 90, 353-359. | 3.9 | 48 |
| 140 | Local microvascular leakage promotes trafficking of activated neutrophils to remote organs. Journal of Clinical Investigation, 2020, 130, 2301-2318. | 8.2 | 48 |
| 141 | Circadian clocks guide dendritic cells into skin lymphatics. Nature Immunology, 2021, 22, 1375-1381. | 14.5 | 47 |
| 142 | Selectins: Cell surface lectins which mediate the binding of leukocytes to endothelial cells. Seminars in Cell Biology, 1992, 3, 211-220. | 3.4 | 46 |
| 143 | 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. | 3.4 | 46 |
| 144 | Phosphatases and kinases as regulators of the endothelial barrier function. Cell and Tissue Research, 2014, 355, 577-586. | 2.9 | 46 |

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|---|---|---|---|
| 145 | Loss of cortactin causes endothelial barrier dysfunction via disturbed adrenomedullin secretion and actomyosin contractility. Scientific Reports, 2016, 6, 29003. | 3.3 | 46 |
| 146 | Vaccination against CD99 inhibits atherogenesis in low-density lipoprotein receptor-deficient mice. Cardiovascular Research, 2008, 78, 590-596. | 3.8 | 43 |
| 147 | Control of endothelial barrier function by regulating vascular endothelial-cadherin. Current Opinion in Hematology, 2010, 17, 230-236. | 2.5 | 40 |
| 148 | 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. | 3.4 | 39 |
| 149 | Human CCR5high effector memory cells perform CNS parenchymal immune surveillance via GZMK-mediated transendothelial diapedesis. Brain, 2019, 142, 3411-3427. | 7.6 | 39 |
| 150 | Platelets docking to VWF prevent leaks during leukocyte extravasation by stimulating Tie-2. Blood, 2020, 136, 627-639. | 1.4 | 39 |
| 151 | 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. | 3.4 | 38 |
| 152 | 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. | 3.4 | 38 |
| 153 | Mechanosensation by endothelial PIEZO1 is required for leukocyte diapedesis. Blood, 2022, 140, 171-183. | 1.4 | 37 |
| 154 | Comparison of two cell-adhesion molecules, uvomorulin and cell-CAM 105. Experimental Cell Research, 1985, 157, 451-461. | 2.6 | 35 |
| 155 | E-SELECTIN EXPRESSION IN EXPERIMENTAL MODELS OF INFLAMMATION IN MICE. , 1996, 180, 317-325. | | 35 |
| 156 | Expression of Endomucin, a Novel Endothelial Sialomucin, in Normal and Diseased Human Skin. Journal of Investigative Dermatology, 2002, 119, 1388-1393. | 0.7 | 35 |
| 157 | EphrinB2-EphB4 signalling provides Rho-mediated homeostatic control of lymphatic endothelial cell junction integrity. ELife, 2020, 9, . | 6.0 | 35 |
| 158 | Platelet-Induced Differentiation of Endothelial Progenitor Cells. Seminars in Thrombosis and Hemostasis, 2007, 33, 136-143. | 2.7 | 34 |
| 159 | Targeting VE-PTP phosphatase protects the kidney from diabetic injury. Journal of Experimental Medicine, 2019, 216, 936-949. | 8.5 | 34 |
| 160 | Pivotal role for skin transendothelial radio-resistant anti-inflammatory macrophages in tissue repair. ELife, 2016, 5, . | 6.0 | 34 |
| 161 | Activated T cells induce expression of E-selectinin vitro and in an antigen-dependent mannerin vivo. European Journal of Immunology, 1996, 26, 1571-1579. | 2.9 | 33 |
| 162 | VIPAR, a quantitative approach to 3D histopathology applied to lymphatic malformations. JCI Insight, 2017, 2, . | 5.0 | 33 |

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