Scott I Simon

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	The voltage-gated potassium channel KV1.3 regulates neutrophil recruitment during inflammation. Cardiovascular Research, 2022, 118, 1289-1302.	3.8	18
2	Host cells subdivide nutrient niches into discrete biogeographical microhabitats for gut microbes. Cell Host and Microbe, 2022, 30, 836-847.e6.	11.0	29
3	Targeting Neutrophil Adhesive Events to Address Vaso-Occlusive Crisis in Sickle Cell Patients. Frontiers in Immunology, 2021, 12, 663886.	4.8	11
4	Replacing Saturated Fat With Unsaturated Fat in Western Diet Reduces Foamy Monocytes and Atherosclerosis in Male <i>Ldlr</i> ^{<i>–/–</i>} Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 72-85.	2.4	20
5	Kinky integrins reveal a new wrinkle in neutrophil activation. Journal of Leukocyte Biology, 2020, 107, 167-169.	3.3	0
6	The 2020 Young Innovators of Cellular and Molecular Bioengineering. Cellular and Molecular Bioengineering, 2020, 13, 391-392.	2.1	0
7	An Allosteric Shift in CD11c Affinity Activates a Proatherogenic State in Arrested Intermediate Monocytes. Journal of Immunology, 2020, 205, 2806-2820.	0.8	7
8	Evading the host response: Staphylococcus "hiding―in cortical bone canalicular system causes increased bacterial burden. Bone Research, 2020, 8, 43.	11.4	19
9	Tensile force transmitted through LFA-1 bonds mechanoregulate neutrophil inflammatory response. Journal of Leukocyte Biology, 2020, 108, 1815-1828.	3.3	15
10	IRF-1 mediates the suppressive effects of mTOR inhibition on arterial endothelium. Journal of Molecular and Cellular Cardiology, 2020, 140, 30-41.	1.9	12
11	Preclinical Models and Methodologies for Monitoring Staphylococcus aureus Infections Using Noninvasive Optical Imaging. Methods in Molecular Biology, 2020, 2069, 197-228.	0.9	6
12	Neutrophil Inflammatory Response Is Downregulated by Uptake of Superparamagnetic Iron Oxide Nanoparticle Therapeutics. Frontiers in Immunology, 2020, 11, 571489.	4.8	13
13	Mechanoregulation of p38 activity enhances endoplasmic reticulum stressâ€mediated inflammation by arterial endothelium. FASEB Journal, 2019, 33, 12888-12899.	0.5	19
14	Oxylipins in triglyceride-rich lipoproteins of dyslipidemic subjects promote endothelial inflammation following a high fat meal. Scientific Reports, 2019, 9, 8655.	3.3	20
15	Clonal Vγ6 ⁺ VÎ′4 ⁺ T cells promote IL-17–mediated immunity against <i>Staphylococcus aureus</i> skin infection. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 10917-10926.	7.1	75
16	CCR6+ Î ³ δT Cells Home to Skin Wounds and Restore Normal Wound Healing in CCR6-Deficient Mice. Journal of Investigative Dermatology, 2019, 139, 2061-2064.e2.	0.7	8
17	A Mouse Model to Assess Innate Immune Response to Staphylococcus aureus Infection. Journal of Visualized Experiments, 2019, , .	0.3	9
18	ls CCR6 Required for the Development of Psoriasiform Dermatitis in Mice?. Journal of Investigative Dermatology, 2019, 139, 485-488.	0.7	9

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19	Downregulation of GATA6 in mTOR-inhibited human aortic endothelial cells: effects on TNF-α-induced VCAM-1 expression and monocytic cell adhesion. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 316, H408-H420.	3.2	21
20	Selectin-Targeting Peptide–Glycosaminoglycan Conjugates Modulate Neutrophil–Endothelial Interactions. Cellular and Molecular Bioengineering, 2019, 12, 121-130.	2.1	9
21	Mechanotransduction through High-Affinity LFA-1 is a Minimum Requirement to Induce Kindlin-3/RACK1/Oral1 to Mediate Intracellular Calcium Flux and Outside-In Signaling. Biophysical Journal, 2018, 114, 465a.	0.5	0
22	Neutrophils in hot pursuit of MRSA in the lymph nodes. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 2272-2274.	7.1	5
23	Neutrophil Mechanosignaling Promotes Integrin Engagement With Endothelial Cells and Motility Within Inflamed Vessels. Frontiers in Immunology, 2018, 9, 2774.	4.8	24
24	Inflammatory Cells of the Lung: Neutrophils. , 2018, , 115-129.		0
25	CagY-Dependent Regulation of Type IV Secretion in Helicobacter pylori Is Associated with Alterations in Integrin Binding. MBio, 2018, 9, .	4.1	35
26	Calcium signalling and related ion channels in neutrophil recruitment and function. European Journal of Clinical Investigation, 2018, 48, e12964.	3.4	99
27	Clonally expanded Î ³ δT cells protect against Staphylococcus aureus skin reinfection. Journal of Clinical Investigation, 2018, 128, 1026-1042.	8.2	98
28	Abstract 413: CD11c/CD18 Affinity Modulates Monocyte Inflammatory in Primary and Recurrent Myocardial Infarction. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	0
29	Abstract 598: Monounsaturated Fat Reduces Foamy Monocyte Formation and Atherosclerosis Development in Ldlr ^{-/-} Mice Compared to Western High Saturated Fat Diet. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, .	2.4	0
30	Multifactorial Experimental Design to Optimize the Anti-Inflammatory and Proangiogenic Potential of Mesenchymal Stem Cell Spheroids. Stem Cells, 2017, 35, 1493-1504.	3.2	77
31	Selectin catch-bonds mechanotransduce integrin activation and neutrophil arrest on inflamed endothelium under shear flow. Blood, 2017, 130, 2101-2110.	1.4	69
32	Atherosusceptible Shear Stress Activates Endoplasmic Reticulum Stress to Promote Endothelial Inflammation. Scientific Reports, 2017, 7, 8196.	3.3	36
33	α-Toxin Regulates Local Granulocyte Expansion from Hematopoietic Stem and Progenitor Cells in <i>Staphylococcus aureus–</i> Infected Wounds. Journal of Immunology, 2017, 199, 1772-1782.	0.8	9
34	Atrial natriuretic peptide down-regulates neutrophil recruitment on inflamed endothelium by reducing cell deformability and resistance to detachment force. Biorheology, 2016, 53, 109-109.	0.4	0
35	Atrial natriuretic peptide down-regulates neutrophil recruitment on inflamed endothelium by reducing cell deformability and resistance to detachment force. Biorheology, 2016, 52, 447-463.	0.4	13
36	11,12-Epoxyecosatrienoic acids mitigate endothelial dysfunction associated with estrogen loss and aging: Role of membrane depolarization. Journal of Molecular and Cellular Cardiology, 2016, 94, 180-188.	1.9	9

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37	Gnb isoforms control a signaling pathway comprising Rac1, Plcβ2, and Plcβ3 leading to LFA-1 activation and neutrophil arrest in vivo. Blood, 2016, 127, 314-324.	1.4	33
38	Fond Memories of our Mentor J. David Hellums, Annals of Biomedical Engineering. Annals of Biomedical Engineering, 2016, 44, 3157-3157.	2.5	0
39	The role of atrial natriuretic peptide to attenuate inflammation in a mouse skin wound and individually perfused rat mesenteric microvessels. Physiological Reports, 2016, 4, e12968.	1.7	8
40	Rivipansel (GMI-1070) Inhibits E-Selectin Recognition of Sialyl LewisX Expressed on CD62L (L-selectin) and Blocks Integrin Activation and Arrest of Human Neutrophils. Blood, 2016, 128, 2509-2509.	1.4	1
41	You've got to be kindlin!. Blood, 2015, 125, 1855-1856.	1.4	4
42	Coronary artery endothelial cells and microparticles increase expression of VCAM-1 in myocardial infarction. Thrombosis and Haemostasis, 2015, 113, 605-616.	3.4	52
43	Streptolysin O Rapidly Impairs Neutrophil Oxidative Burst and Antibacterial Responses to Group A Streptococcus. Frontiers in Immunology, 2015, 6, 581.	4.8	82
44	CD11c/CD18 Signals Very Late Antigen-4 Activation To Initiate Foamy Monocyte Recruitment during the Onset of Hypercholesterolemia. Journal of Immunology, 2015, 195, 5380-5392.	0.8	30
45	Foamy Monocytes Form Early and Contribute to Nascent Atherosclerosis in Mice With Hypercholesterolemia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 1787-1797.	2.4	71
46	Glycopeptide analogues of PSGL-1 inhibit P-selectin in vitro and in vivo. Nature Communications, 2015, 6, 6387.	12.8	69
47	Infection-induced type I interferons activate CD11b on B-1 cells for subsequent lymph node accumulation. Nature Communications, 2015, 6, 8991.	12.8	60
48	Reversible deactivation of higher-order posterior parietal areas. I. Alterations of receptive field characteristics in early stages of neocortical processing. Journal of Neurophysiology, 2014, 112, 2529-2544.	1.8	17
49	Catecholamine Stress Alters Neutrophil Trafficking and Impairs Wound Healing by β 2 -Adrenergic Receptor–Mediated Upregulation of IL-6. Journal of Investigative Dermatology, 2014, 134, 809-817.	0.7	91
50	Mechanosensing at the Vascular Interface. Annual Review of Biomedical Engineering, 2014, 16, 505-532.	12.3	146
51	Reversible deactivation of higher-order posterior parietal areas. II. Alterations in response properties of neurons in areas 1 and 2. Journal of Neurophysiology, 2014, 112, 2545-2560.	1.8	15
52	Detection of Bidirectional Signaling During Integrin Activation and Neutrophil Adhesion. Methods in Molecular Biology, 2014, 1124, 235-248.	0.9	4
53	Magnetic Nanoparticle Targeted Hyperthermia of Cutaneous Staphylococcus aureus Infection. Annals of Biomedical Engineering, 2013, 41, 598-609.	2.5	99
54	Microfluidic System for Facilitated Quantification of Nanoparticle Accumulation to Cells Under Laminar Flow. Annals of Biomedical Engineering, 2013, 41, 89-99.	2.5	42

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55	Five Simple Rules to Avoid Plagiarism. Annals of Biomedical Engineering, 2013, 41, 1-2.	2.5	13
56	Clocking Leukocytes Reveal Dynamics of Integrin Braking. Biophysical Journal, 2013, 105, 1091-1092.	0.5	0
57	Shear stress modulates VCAM-1 expression in response to TNF-α and dietary lipids via interferon regulatory factor-1 in cultured endothelium. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H1149-H1157.	3.2	33
58	Editorial: A missing link? Monocyte activation by uremic toxins in cardiorenal syndrome. Journal of Leukocyte Biology, 2013, 93, 821-823.	3.3	3
59	On-chip phenotypic analysis of inflammatory monocytes in atherogenesis and myocardial infarction. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13944-13949.	7.1	38
60	Staphylococcus aureus recognition by hematopoietic stem and progenitor cells via TLR2/MyD88/PGE2 stimulates granulopoiesis in wounds. Blood, 2013, 122, 1770-1778.	1.4	53
61	Gimme a brake: HPK1 regulates LFA-1 and neutrophil traction. Blood, 2013, 121, 4017-4018.	1.4	Ο
62	Triglyceride-Rich Lipoprotein Modulates Endothelial Vascular Cell Adhesion Molecule (VCAM)-1 Expression via Differential Regulation of Endoplasmic Reticulum Stress. PLoS ONE, 2013, 8, e78322.	2.5	47
63	Hematopoietic Stem and Progenitor Cells Locally Produce Neutrophils Necessary To Resolve S. Aureus-Infected Wounds. Blood, 2013, 122, 4710-4710.	1.4	Ο
64	Fabrication of an inexpensive, implantable cooling device for reversible brain deactivation in animals ranging from rodents to primates. Journal of Neurophysiology, 2012, 107, 3543-3558.	1.8	18
65	Chemokines, selectins and intracellular calcium flux: temporal and spatial cues for leukocyte arrest. Frontiers in Immunology, 2012, 3, 188.	4.8	79
66	Neutrophil-derived IL-1β Is Sufficient for Abscess Formation in Immunity against Staphylococcus aureus in Mice. PLoS Pathogens, 2012, 8, e1003047.	4.7	194
67	Leukocyte Function Antigen-1, Kindlin-3, and Calcium Flux Orchestrate Neutrophil Recruitment during Inflammation. Journal of Immunology, 2012, 189, 5954-5964.	0.8	48
68	Hematopoietic Stem and Progenitor Cells as Effectors in Innate Immunity. Bone Marrow Research, 2012, 2012, 1-8.	1.7	48
69	IRF-1 and miRNA126 Modulate VCAM-1 Expression in Response to a High-Fat Meal. Circulation Research, 2012, 111, 1054-1064.	4.5	81
70	On-Chip Endothelial Inflammatory Phenotyping. Journal of Visualized Experiments, 2012, , e4169.	0.3	2
71	E-Selectin Ligands as Mechanosensitive Receptors on Neutrophils in Health and Disease. Annals of Biomedical Engineering, 2012, 40, 849-859.	2.5	58
72	Preface to Special Issue: "Glycomechanics: Sugar Coating Blood Cell–Endothelial Interactions in Shear Flow― Annals of Biomedical Engineering, 2012, 40, 764-765.	2.5	0

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73	The anti-inflammatory effects of soluble epoxide hydrolase inhibitors are independent of leukocyte recruitment. Biochemical and Biophysical Research Communications, 2011, 410, 494-500.	2.1	24
74	Neutrophil survival and c-kit+-progenitor proliferation in Staphylococcus aureus–infected skin wounds promote resolution. Blood, 2011, 117, 3343-3352.	1.4	103
75	Functional Characterization of Embryonic Stem Cell-Derived Endothelial Cells. Journal of Vascular Research, 2011, 48, 415-428.	1.4	39
76	CD11c/CD18 Expression Is Upregulated on Blood Monocytes During Hypertriglyceridemia and Enhances Adhesion to Vascular Cell Adhesion Molecule-1. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 160-166.	2.4	139
77	Migrational Guidance of Neutrophils Is Mechanotransduced via High-Affinity LFA-1 and Calcium Flux. Journal of Immunology, 2011, 187, 472-481.	0.8	61
78	Noninvasive In Vivo Imaging to Evaluate Immune Responses and Antimicrobial Therapy against Staphylococcus aureus and USA300 MRSA Skin Infections. Journal of Investigative Dermatology, 2011, 131, 907-915.	0.7	63
79	Endothelial inflammation correlates with subject triglycerides and waist size after a high-fat meal. American Journal of Physiology - Heart and Circulatory Physiology, 2011, 300, H784-H791.	3.2	43
80	Inhibition of E-Selectin Inflammatory Function by the Glycomimetic GMI-1070. Blood, 2011, 118, 851-851.	1.4	3
81	Orai1 regulates intracellular calcium, arrest, and shape polarization during neutrophil recruitment in shear flow. Blood, 2010, 115, 657-666.	1.4	99
82	A day (or 5) in a neutrophil's life. Blood, 2010, 116, 511-512.	1.4	28
83	Mightier than the sickle cell. Blood, 2010, 116, 1633-1633.	1.4	2
84	A Mouse Model of Post-Arthroplasty Staphylococcus aureus Joint Infection to Evaluate In Vivo the Efficacy of Antimicrobial Implant Coatings. PLoS ONE, 2010, 5, e12580.	2.5	181
85	Long-Lived, High-Strength States of ICAM-1 Bonds to β2 Integrin, l: Lifetimes of Bonds to Recombinant αLβ2 Under Force. Biophysical Journal, 2010, 98, 1458-1466.	0.5	42
86	Long-Lived, High-Strength States of ICAM-1 Bonds to β2 Integrin, II: Lifetimes of LFA-1 Bonds Under Force in Leukocyte Signaling. Biophysical Journal, 2010, 98, 1467-1475.	0.5	30
87	VASCULAR MIMETIC MICROFLUIDIC SYSTEMS FOR THE STUDY OF ENDOTHELIAL ACTIVATION AND LEUKOCYTE RECRUITMENT IN MODELS OF ATHEROGENESIS. , 2010, , 313-329.		1
88	Effects of GMI-1070, a Pan-Selectin Inhibitor, on Leukocyte Adhesion In Sickle Cell Disease: Results From a Phase 1/2 Study. Blood, 2010, 116, 262-262.	1.4	4
89	Effects of Selectin Antagonist GMI-1070 on the Activation State of Leukocytes In Sickle Cell Patients Not In Crisis. Blood, 2010, 116, 2672-2672.	1.4	0
90	Vav1 Is Essential for Mechanotactic Crawling and Migration of Neutrophils out of the Inflamed Microvasculature. Journal of Immunology, 2009, 182, 6870-6878.	0.8	114

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91	Functional Role of CD11c ⁺ Monocytes in Atherogenesis Associated With Hypercholesterolemia. Circulation, 2009, 119, 2708-2717.	1.6	200
92	Dynamics of neutrophil extravasation and vascular permeability are uncoupled during aseptic cutaneous wounding. American Journal of Physiology - Cell Physiology, 2009, 296, C848-C856.	4.6	79
93	Comparative Analysis of Normal versus CLL B-Lymphocytes Reveals Patient-Specific Variability in Signaling Mechanisms Controlling LFA-1 Activation by Chemokines. Cancer Research, 2009, 69, 9281-9290.	0.9	36
94	LEUCOCYTE RECRUITMENT UNDER FLUID SHEAR: MECHANICAL AND MOLECULAR REGULATION WITHIN THE INFLAMMATORY SYNAPSE. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 217-224.	1.9	25
95	Dimerization of LFAâ€1/ICAMâ€1 bond provides a spatioâ€ŧemporal cue in PMN recruitment. FASEB Journal, 2009, 23, 639.2.	0.5	0
96	Monocyte integrin CD11c/CD18 is a functional biomarker for risk of cardiovascular disease. FASEB Journal, 2009, 23, 593.7.	0.5	0
97	Outsideâ€in signaling via LFAâ€1 in acute inflammation. FASEB Journal, 2009, 23, 762.17.	0.5	0
98	Monocyte CD11c/CD18 expression is upregulated postprandially and mediates firm arrest on VCAMâ€1. FASEB Journal, 2009, 23, 640.5.	0.5	0
99	Hydrodynamic Shear Rate Regulates Melanoma-Leukocyte Aggregation, Melanoma Adhesion to the Endothelium, and Subsequent Extravasation. Annals of Biomedical Engineering, 2008, 36, 661-671.	2.5	72
100	Differential Regulation of Neutrophil CD18 Integrin Function by Di- and Tri-Valent Cations: Manganese vs. Gadolinium. Annals of Biomedical Engineering, 2008, 36, 647-660.	2.5	4
101	Calcium Flux in Neutrophils Synchronizes β2 Integrin Adhesive and Signaling Events that Guide Inflammatory Recruitment. Annals of Biomedical Engineering, 2008, 36, 632-646.	2.5	78
102	Fluid shearâ€induced activation and cleavage of CD18 during pseudopod retraction by human neutrophils. Journal of Cellular Physiology, 2008, 214, 528-536.	4.1	27
103	SLICâ€1/sorting nexin 20: A novel sorting nexin that directs subcellular distribution of PSCLâ€1. European Journal of Immunology, 2008, 38, 550-564.	2.9	21
104	Spatial Regulation of Inflammation by Human Aortic Endothelial Cells in a Linear Gradient of Shear Stress. Microcirculation, 2008, 15, 311-323.	1.8	74
105	Dynamics of Neutrophil Infiltration during Cutaneous Wound Healing and Infection Using Fluorescence Imaging. Journal of Investigative Dermatology, 2008, 128, 1812-1820.	0.7	211
106	Transmigration of Neutrophils across Inflamed Endothelium Is Signaled through LFA-1 and Src Family Kinase. Journal of Immunology, 2008, 181, 8660-8669.	0.8	25
107	Neutrophil adhesion to E-selectin under shear promotes the redistribution and co-clustering of ADAM17 and its proteolytic substrate L-selectin. Journal of Leukocyte Biology, 2008, 83, 99-105.	3.3	39
108	E-selectin prefers fatty-sweet receptors on rolling neutrophils. Blood, 2008, 112, 3537-3537.	1.4	0

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109	Altered conformational activity and cleavage of CD18 integrins on the human neutrophil surface exposed to fluid shear stress. FASEB Journal, 2008, 22, 1218.4.	0.5	0
110	CD11c/CD18: novel ligands and a role in delayed-type hypersensitivity. Journal of Leukocyte Biology, 2007, 81, 1395-1403.	3.3	95
111	Triglyceride-Rich Lipoproteins Prime Aortic Endothelium for an Enhanced Inflammatory Response to Tumor Necrosis Factor-α. Circulation Research, 2007, 100, 381-390.	4.5	125
112	The integrins. Genome Biology, 2007, 8, 215.	9.6	995
113	Vascular mimetics based on microfluidics for imaging the leukocyte–endothelial inflammatory response. Lab on A Chip, 2007, 7, 448-456.	6.0	121
114	Mechanisms of B-Cell Synapse Formation Predicted by Monte Carlo Simulation. Biophysical Journal, 2007, 92, 4196-4208.	0.5	44
115	Polyurethane Shape-Memory Polymers Demonstrate Functional Biocompatibility In Vitro. Macromolecular Bioscience, 2007, 7, 48-55.	4.1	64
116	Dynamics of Neutrophil Membrane Compliance and Microstructure probed with a Micropipet-based Piconewton Force Transducer. Annals of Biomedical Engineering, 2007, 35, 595-604.	2.5	14
117	Optical and Fluorescence Detection of Neutrophil Integrin Activation. Methods in Molecular Biology, 2007, 412, 203-210.	0.9	1
118	β2â€integrin affinity and valence in binding ICAMâ€1 regulates contact mediated emigration of PMN in shear flow FASEB Journal, 2007, 21, A1226.	0.5	1
119	Impaired Integrin-Dependent Function in Wiskott-Aldrich Syndrome Protein-Deficient Murine and Human Neutrophils. Immunity, 2006, 25, 285-295.	14.3	130
120	Dynamic shifts in LFA-1 affinity regulate neutrophil rolling, arrest, and transmigration on inflamed endothelium. Blood, 2006, 107, 2101-2111.	1.4	75
121	Ultrasound radiation force enables targeted deposition of model drug carriers loaded on microbubbles. Journal of Controlled Release, 2006, 111, 128-134.	9.9	253
122	LFAâ€1 bound to ICAMâ€1 homodimer regulates adhesion lifetime and outsideâ€in signaling. FASEB Journal, 2006, 20, A116.	0.5	0
123	Microkinetics of leukocyte recruitment imaged in vascular mimetics. FASEB Journal, 2006, 20, A527.	0.5	0
124	Cytoskeletal interactions regulate inducible L-selectin clustering. American Journal of Physiology - Cell Physiology, 2005, 289, C323-C332.	4.6	21
125	Molecular Mechanics and Dynamics of Leukocyte Recruitment During Inflammation. Annual Review of Biomedical Engineering, 2005, 7, 151-185.	12.3	237
126	Leukocyte Function-associated Antigen 1-mediated Adhesion Stability Is Dynamically Regulated through Affinity and Valency during Bond Formation with Intercellular Adhesion Molecule-1. Journal of Biological Chemistry, 2005, 280, 28290-28298.	3.4	41

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127	Rolling dynamics of a neutrophil with redistributed L-selectin. Mathematical Biosciences, 2005, 194, 71-79.	1.9	22
128	Cooperativity Between Selectins and Â2-Integrins Define Neutrophil Capture and Stable Adhesion in Shear Flow. Annals of Biomedical Engineering, 2004, 32, 1179-1192.	2.5	11
129	Inflammatory potential of neutrophils detected in sickle cell disease. American Journal of Hematology, 2004, 76, 126-133.	4.1	66
130	Shear-Dependent Capping of L-Selectin and P-Selectin Glycoprotein Ligand 1 by E-Selectin Signals Activation of High-Avidity 12-Integrin on Neutrophils. Journal of Immunology, 2004, 172, 7780-7790.	0.8	118
131	Roles of neutrophil β2 integrins in kinetics of bacteremia, extravasation, and tick acquisition of Anaplasma phagocytophila in mice. Blood, 2003, 101, 3257-3264.	1.4	19
132	Topographic requirements and dynamics of signaling via L-selectin on neutrophils. American Journal of Physiology - Cell Physiology, 2003, 284, C705-C717.	4.6	25
133	Dynamic Regulation of LFA-1 Activation and Neutrophil Arrest on Intercellular Adhesion Molecule 1 (ICAM-1) in Shear Flow. Journal of Biological Chemistry, 2002, 277, 20660-20670.	3.4	105
134	Hydrodynamic Shear and Tethering through E-selectin Signals Phosphorylation of p38 MAP Kinase and Adhesion of Human Neutrophils. Annals of Biomedical Engineering, 2002, 30, 987-1001.	2.5	24
135	Kinetics of CD11b/CD18 Up-Regulation During Infection with the Agent of Human Granulocytic Ehrlichiosis in Mice. Laboratory Investigation, 2002, 82, 303-311.	3.7	31
136	Leukocyte Adhesion Dynamics in Shear Flow. Annals of Biomedical Engineering, 2002, 30, 315-332.	2.5	73
137	Dynamics of Neutrophil Aggregation in Couette Flow Revealed by Videomicroscopy: Effect of Shear Rate on Two-Body Collision Efficiency and Doublet Lifetime. Biophysical Journal, 2001, 81, 2020-2034.	0.5	37
138	Optical and Acoustical Dynamics of Microbubble Contrast Agents inside Neutrophils. Biophysical Journal, 2001, 80, 1547-1556.	0.5	133
139	Characterization of equine E-selectin. Immunology, 2001, 103, 498-504.	4.4	40
140	Sequential binding of CD11a/CD18 and CD11b/CD18 defines neutrophil capture and stable adhesion to intercellular adhesion molecule–1. Blood, 2000, 95, 911-920.	1.4	123
141	Neutrophil Tethering on E-Selectin Activates β2 Integrin Binding to ICAM-1 Through a Mitogen-Activated Protein Kinase Signal Transduction Pathway. Journal of Immunology, 2000, 164, 4348-4358.	0.8	218
142	Shear and Time-Dependent Changes in Mac-1, LFA-1, and ICAM-3 Binding Regulate Neutrophil Homotypic Adhesion. Journal of Immunology, 2000, 164, 3798-3805.	0.8	56
143	L-Selectin Signaling of Neutrophil Adhesion and Degranulation Involves p38 Mitogen-activated Protein Kinase. Journal of Biological Chemistry, 2000, 275, 15876-15884.	3.4	134
144	P-selectin mediates neutrophil adhesion to endothelial cell borders. Journal of Leukocyte Biology, 1999, 65, 299-306.	3.3	98

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145	<i>Enterococcus faecalis</i> Bearing Aggregation Substance Is Resistant to Killing by Human Neutrophils despite Phagocytosis and Neutrophil Activation. Infection and Immunity, 1999, 67, 6067-6075.	2.2	132
146	Venous Levels of Shear Support Neutrophil-Platelet Adhesion and Neutrophil Aggregation in Blood via P-Selectin and β ₂ -Integrin. Circulation, 1998, 98, 873-882.	1.6	146
147	The Multistep Process of Homotypic Neutrophil Aggregation: A Review of the Molecules and Effects of Hydrodynamics. Cell Adhesion and Communication, 1998, 6, 263-276.	1.7	20
148	β2-Integrins mediate stable adhesion in collisional interactions between neutrophils and ICAM-1-expressing cells. Journal of Leukocyte Biology, 1998, 64, 622-630.	3.3	35
149	Hydrodynamic Shear Shows Distinct Roles for LFA-1 and Mac-1 in Neutrophil Adhesion to Intercellular Adhesion Molecule-1. Blood, 1998, 92, 1626-1638.	1.4	65
150	Induction of homotypic lymphocyte aggregation: evidence for a novel activation state of the β1 integrin. Journal of Leukocyte Biology, 1996, 59, 872-882.	3.3	10
151	Interactions of lipopolysaccharide with neutrophils in blood via CD14. Journal of Leukocyte Biology, 1993, 53, 518-524.	3.3	62
152	Endocytosis of ß2 integrins by stimulated human neutrophils analyzed by flow cytometry. Journal of Leukocyte Biology, 1993, 53, 462-469.	3.3	41
153	The Interaction between Leukocytes and Endothelium in Vivo. Annals of the New York Academy of Sciences, 1987, 516, 348-361.	3.8	38