

Klaus Ley

List of Publications by Year in descending order

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Version: 2024-02-01

232
papers

30,627
citations

8755

75
h-index

4885

168
g-index

244
all docs

244
docs citations

244
times ranked

35081
citing authors

#	ARTICLE	IF	CITATIONS
1	Getting to the site of inflammation: the leukocyte adhesion cascade updated. <i>Nature Reviews Immunology</i> , 2007, 7, 678-689.	22.7	3,547
2	Development of Monocytes, Macrophages, and Dendritic Cells. <i>Science</i> , 2010, 327, 656-661.	12.6	2,471
3	Immune and Inflammatory Mechanisms of Atherosclerosis. <i>Annual Review of Immunology</i> , 2009, 27, 165-197.	21.8	1,249
4	Macrophage Polarization: Different Gene Signatures in M1(LPS+) vs. Classically and M2(LPSâ€“) vs. Alternatively Activated Macrophages. <i>Frontiers in Immunology</i> , 2019, 10, 1084.	4.8	1,202
5	Immunity and Inflammation in Atherosclerosis. <i>Circulation Research</i> , 2019, 124, 315-327.	4.5	972
6	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. <i>Nature Medicine</i> , 2003, 9, 61-67.	30.7	931
7	Phagocytosis of Apoptotic Neutrophils Regulates Granulopoiesis via IL-23 and IL-17. <i>Immunity</i> , 2005, 22, 285-294.	14.3	803
8	Single-Cell RNA-Seq Reveals the Transcriptional Landscape and Heterogeneity of Aortic Macrophages in Murine Atherosclerosis. <i>Circulation Research</i> , 2018, 122, 1661-1674.	4.5	577
9	RANTES Deposition by Platelets Triggers Monocyte Arrest on Inflamed and Atherosclerotic Endothelium. <i>Circulation</i> , 2001, 103, 1772-1777.	1.6	536
10	Interleukin-17 Signaling in Inflammatory, Kupffer Cells, and Hepatic Stellate Cells Exacerbates Liver Fibrosis in Mice. <i>Gastroenterology</i> , 2012, 143, 765-776.e3.	1.3	536
11	Critical role for Î²7 integrins in formation of the gut-associated lymphoid tissue. <i>Nature</i> , 1996, 382, 366-370.	27.8	535
12	Regulated Accumulation of Desmosterol Integrates Macrophage Lipid Metabolism and Inflammatory Responses. <i>Cell</i> , 2012, 151, 138-152.	28.9	487
13	Monocyte and Macrophage Dynamics During Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011, 31, 1506-1516.	2.4	459
14	Selectins in T-cell recruitment to non-lymphoid tissues and sites of inflammation. <i>Nature Reviews Immunology</i> , 2004, 4, 325-336.	22.7	413
15	Lymphocyte recruitment into the aortic wall before and during development of atherosclerosis is partially L-selectin dependent. <i>Journal of Experimental Medicine</i> , 2006, 203, 1273-1282.	8.5	405
16	Leukocyte ligands for endothelial selectins: specialized glycoconjugates that mediate rolling and signaling under flow. <i>Blood</i> , 2011, 118, 6743-6751.	1.4	390
17	NR4A1 (Nur77) Deletion Polarizes Macrophages Toward an Inflammatory Phenotype and Increases Atherosclerosis. <i>Circulation Research</i> , 2012, 110, 416-427.	4.5	380
18	T cell subsets and functions in atherosclerosis. <i>Nature Reviews Cardiology</i> , 2020, 17, 387-401.	13.7	379

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19	Atlas of the Immune Cell Repertoire in Mouse Atherosclerosis Defined by Single-Cell RNA-Sequencing and Mass Cytometry. <i>Circulation Research</i> , 2018, 122, 1675-1688.	4.5	377
20	Monocyte trafficking across the vessel wall. <i>Cardiovascular Research</i> , 2015, 107, 321-330.	3.8	370
21	Blockade of Interleukin-17A Results in Reduced Atherosclerosis in Apolipoprotein E-Deficient Mice. <i>Circulation</i> , 2010, 121, 1746-1755.	1.6	368
22	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. <i>Nature</i> , 2018, 558, 301-306.	27.8	359
23	Neutrophils: New insights and open questions. <i>Science Immunology</i> , 2018, 3, .	11.9	348
24	Deposition of Platelet RANTES Triggering Monocyte Recruitment Requires P-Selectin and Is Involved in Neointima Formation After Arterial Injury. <i>Circulation</i> , 2002, 106, 1523-1529.	1.6	332
25	Threshold Levels of Fluid Shear Promote Leukocyte Adhesion through Selectins (CD62L,P,E). <i>Journal of Cell Biology</i> , 1997, 136, 717-727.	5.2	324
26	Integrin-based therapeutics: biological basis, clinical use and new drugs. <i>Nature Reviews Drug Discovery</i> , 2016, 15, 173-183.	46.4	324
27	Atherosclerosis. <i>Circulation Research</i> , 2018, 123, 1118-1120.	4.5	320
28	M1 and M2 Macrophages: The Chicken and the Egg of Immunity. <i>Journal of Innate Immunity</i> , 2014, 6, 716-726.	3.8	310
29	Local-pooled-error test for identifying differentially expressed genes with a small number of replicated microarrays. <i>Bioinformatics</i> , 2003, 19, 1945-1951.	4.1	290
30	Critical role of endothelial CXCR2 in LPS-induced neutrophil migration into the lung. <i>Journal of Clinical Investigation</i> , 2006, 116, 695-702.	8.2	288
31	Spleen Tyrosine Kinase Syk Is Necessary for E-Selectin-Induced β_2 Integrin-Mediated Rolling on Intercellular Adhesion Molecule-1. <i>Immunity</i> , 2007, 26, 773-783.	14.3	265
32	Glycosylation in immune cell trafficking. <i>Immunological Reviews</i> , 2009, 230, 97-113.	6.0	260
33	CXC Chemokine Ligand 4 Induces a Unique Transcriptome in Monocyte-Derived Macrophages. <i>Journal of Immunology</i> , 2010, 184, 4810-4818.	0.8	256
34	Homeostatic Regulation of Blood Neutrophil Counts. <i>Journal of Immunology</i> , 2008, 181, 5183-5188.	0.8	244
35	The chemokine KC, but not monocyte chemoattractant protein-1, triggers monocyte arrest on early atherosclerotic endothelium. <i>Journal of Clinical Investigation</i> , 2001, 108, 1307-1314.	8.2	239
36	M1 Means Kill; M2 Means Heal. <i>Journal of Immunology</i> , 2017, 199, 2191-2193.	0.8	214

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37	Role of Vascular Cell Adhesion Molecule-1 and Fibronectin Connecting Segment-1 in Monocyte Rolling and Adhesion on Early Atherosclerotic Lesions. <i>Circulation Research</i> , 2000, 87, 153-159.	4.5	213
38	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. <i>Circulation Research</i> , 2020, 127, 402-426.	4.5	207
39	Dynamic T cell-APC interactions sustain chronic inflammation in atherosclerosis. <i>Journal of Clinical Investigation</i> , 2012, 122, 3114-3126.	8.2	205
40	Distinct roles for talin-1 and kindlin-3 in LFA-1 extension and affinity regulation. <i>Blood</i> , 2012, 119, 4275-4282.	1.4	204
41	L-Selectin Shedding Regulates Leukocyte Recruitment. <i>Journal of Experimental Medicine</i> , 2001, 193, 863-872.	8.5	203
42	Vav GEFs are required for $\beta 2$ integrin-dependent functions of neutrophils. <i>Journal of Cell Biology</i> , 2004, 166, 273-282.	5.2	201
43	Near-Wall $\beta 4$ -PIV Reveals a Hydrodynamically Relevant Endothelial Surface Layer in Venules In Vivo. <i>Biophysical Journal</i> , 2003, 85, 637-645.	0.5	198
44	Mechanisms and Consequences of Neutrophil Interaction with the Endothelium. <i>American Journal of Pathology</i> , 2008, 172, 1-7.	3.8	195
45	How the immune system shapes atherosclerosis: roles of innate and adaptive immunity. <i>Nature Reviews Immunology</i> , 2022, 22, 251-265.	22.7	176
46	Neutrophil Adhesion and Activation under Flow. <i>Microcirculation</i> , 2009, 16, 31-42.	1.8	167
47	Importance of E-Selectin for Firm Leukocyte Adhesion In Vivo. <i>Circulation Research</i> , 1998, 83, 287-294.	4.5	161
48	Preferential migration of effector CD8 ⁺ T cells into the interstitium of the normal lung. <i>Journal of Clinical Investigation</i> , 2005, 115, 3473-3483.	8.2	160
49	Platelet, but not endothelial, P-selectin is critical for neutrophil-mediated acute postischemic renal failure. <i>FASEB Journal</i> , 2001, 15, 2337-2344.	0.5	155
50	"Slings" enable neutrophil rolling at high shear. <i>Nature</i> , 2012, 488, 399-403.	27.8	153
51	Leukocyte Arrest During Cytokine-Dependent Inflammation In Vivo. <i>Journal of Immunology</i> , 2000, 164, 3301-3308.	0.8	152
52	Rolling on E- or P-selectin induces the extended but not high-affinity conformation of LFA-1 in neutrophils. <i>Blood</i> , 2010, 116, 617-624.	1.4	143
53	Tyrosine kinase Btk regulates E-selectin-mediated integrin activation and neutrophil recruitment by controlling phospholipase C (PLC) $\beta 2$ and PI3K γ pathways. <i>Blood</i> , 2010, 115, 3118-3127.	1.4	141
54	Regulatory CD4 ⁺ T Cells Recognize Major Histocompatibility Complex Class II Molecule-Restricted Peptide Epitopes of Apolipoprotein B. <i>Circulation</i> , 2018, 138, 1130-1143.	1.6	140

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55	Relevance of L-selectin Shedding for Leukocyte Rolling In Vivo. <i>Journal of Experimental Medicine</i> , 1999, 189, 939-948.	8.5	138
56	Neutrophil-Regulatory Tn Lymphocytes. <i>Immunologic Research</i> , 2006, 34, 229-242.	2.9	134
57	CXCR2- and E-Selectin-induced Neutrophil Arrest during Inflammation In Vivo. <i>Journal of Experimental Medicine</i> , 2004, 200, 935-939.	8.5	129
58	T cells in atherosclerosis. <i>International Immunology</i> , 2013, 25, 615-622.	4.0	128
59	Differential DARC/ACKR1 expression distinguishes venular from non-venular endothelial cells in murine tissues. <i>BMC Biology</i> , 2017, 15, 45.	3.8	124
60	CXCR6 Promotes Atherosclerosis by Supporting T-Cell Homing, Interferon- γ Production, and Macrophage Accumulation in the Aortic Wall. <i>Circulation</i> , 2007, 116, 1801-1811.	1.6	114
61	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. <i>Nature Communications</i> , 2017, 8, 16041.	12.8	113
62	Neutrophil arrest by LFA-1 activation. <i>Frontiers in Immunology</i> , 2012, 3, 157.	4.8	107
63	Role of the endothelial surface layer in neutrophil recruitment. <i>Journal of Leukocyte Biology</i> , 2015, 98, 503-515.	3.3	104
64	CCR5 ⁺ T-bet ⁺ FoxP3 ⁺ Effector CD4 T Cells Drive Atherosclerosis. <i>Circulation Research</i> , 2016, 118, 1540-1552.	4.5	104
65	B-Cell Aortic Homing and Atheroprotection Depend on Id3. <i>Circulation Research</i> , 2012, 110, e1-12.	4.5	102
66	Platelet Serotonin Aggravates Myocardial Ischemia/Reperfusion Injury via Neutrophil Degranulation. <i>Circulation</i> , 2019, 139, 918-931.	1.6	100
67	Pathogenic Autoimmunity in Atherosclerosis Evolves From Initially Protective Apolipoprotein B _{>100} Reactive CD4 ⁺ T-Regulatory Cells. <i>Circulation</i> , 2020, 142, 1279-1293.	1.6	100
68	Biomechanics of leukocyte rolling. <i>Biorheology</i> , 2011, 48, 1-35.	0.4	99
69	How Mouse Macrophages Sense What Is Going On. <i>Frontiers in Immunology</i> , 2016, 7, 204.	4.8	99
70	Role of Primary and Secondary Capture for Leukocyte Accumulation In Vivo. <i>Circulation Research</i> , 1998, 82, 30-38.	4.5	87
71	CD11b is required for chemokine-induced neutrophil arrest. <i>Blood</i> , 2007, 110, 3773-3779.	1.4	86
72	Cross-linking of CD18 in human neutrophils induces an increase of intracellular free Ca ²⁺ , exocytosis of azurophilic granules, quantitative up-regulation of CD18, shedding of L-selectin, and actin polymerization. <i>Journal of Leukocyte Biology</i> , 1994, 56, 625-635.	3.3	85

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73	Neutrophil Recruitment: From Model Systems to Tissue-Specific Patterns. <i>Trends in Immunology</i> , 2019, 40, 613-634.	6.8	85
74	Neutrophil recruitment limited by high-affinity bent $\beta 2$ integrin binding ligand in cis. <i>Nature Communications</i> , 2016, 7, 12658.	12.8	84
75	Single Cell RNA Sequencing in Atherosclerosis Research. <i>Circulation Research</i> , 2020, 126, 1112-1126.	4.5	84
76	Endothelial Protective Monocyte Patrolling in Large Arteries Intensified by Western Diet and Atherosclerosis. <i>Circulation Research</i> , 2017, 120, 1789-1799.	4.5	82
77	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production. <i>Science</i> , 2022, 375, 214-221.	12.6	81
78	The PSGL-1 α L-selectin signaling complex regulates neutrophil adhesion under flow. <i>Journal of Experimental Medicine</i> , 2013, 210, 2171-2180.	8.5	80
79	Rap1a activation by CalDAG α GFI and p38 MAPK is involved in E α selectin α dependent slow leukocyte rolling. <i>European Journal of Immunology</i> , 2011, 41, 2074-2085.	2.9	79
80	How dendritic cells shape atherosclerosis. <i>Trends in Immunology</i> , 2011, 32, 540-547.	6.8	78
81	Atheroprotective Vaccination with MHC-II Restricted Peptides from ApoB-100. <i>Frontiers in Immunology</i> , 2013, 4, 493.	4.8	78
82	Leukocyte phosphoinositide-3 kinase $\beta 3$ is required for chemokine-induced, sustained adhesion under flow in vivo. <i>Journal of Leukocyte Biology</i> , 2006, 80, 1491-1499.	3.3	75
83	PSGL-1-dependent myeloid leukocyte activation. <i>Journal of Leukocyte Biology</i> , 2009, 86, 1119-1124.	3.3	75
84	Lymphocyte Migration Into Atherosclerotic Plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 40-49.	2.4	72
85	A ligand-specific blockade of the integrin Mac-1 selectively targets pathologic inflammation while maintaining protective host-defense. <i>Nature Communications</i> , 2018, 9, 525.	12.8	72
86	Induction of LFA-1-Dependent Neutrophil Rolling on ICAM-1 by Engagement of E-Selectin. <i>Microcirculation</i> , 2006, 13, 99-109.	1.8	70
87	Quantitative dynamic footprinting microscopy reveals mechanisms of neutrophil rolling. <i>Nature Methods</i> , 2010, 7, 821-824.	19.0	69
88	Circulating T cell-monocyte complexes are markers of immune perturbations. <i>ELife</i> , 2019, 8, .	6.0	67
89	Neutrophil rolling at high shear: Flattening, catch bond behavior, tethers and slings. <i>Molecular Immunology</i> , 2013, 55, 59-69.	2.2	65
90	Scavenger Receptor CD36 Directs Nonclassical Monocyte Patrolling Along the Endothelium During Early Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 2043-2052.	2.4	65

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91	Patrolling Mechanics of Non-Classical Monocytes in Vascular Inflammation. <i>Frontiers in Cardiovascular Medicine</i> , 2017, 4, 80.	2.4	64
92	The second touch hypothesis: T cell activation, homing and polarization. <i>F1000Research</i> , 2014, 3, 37.	1.6	61
93	Macrophages at the Fork in the Road to Health or Disease. <i>Frontiers in Immunology</i> , 2015, 6, 59.	4.8	59
94	A Single-Step Chemoenzymatic Reaction for the Construction of Antibody-Cell Conjugates. <i>ACS Central Science</i> , 2018, 4, 1633-1641.	11.3	59
95	Beyond vascular inflammation—recent advances in understanding atherosclerosis. <i>Cellular and Molecular Life Sciences</i> , 2015, 72, 3853-3869.	5.4	58
96	Protection from septic peritonitis by rapid neutrophil recruitment through omental high endothelial venules. <i>Nature Communications</i> , 2016, 7, 10828.	12.8	58
97	Flow Cytometry Analysis of Immune Cells Within Murine Aortas. <i>Journal of Visualized Experiments</i> , 2011, . .	0.3	56
98	Vaccination to modulate atherosclerosis. <i>Autoimmunity</i> , 2015, 48, 152-160.	2.6	56
99	Normalization of cholesterol metabolism in spinal microglia alleviates neuropathic pain. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	51
100	Migratory and Dancing Macrophage Subsets in Atherosclerotic Lesions. <i>Circulation Research</i> , 2019, 125, 1038-1051.	4.5	47
101	High-Affinity Bent β 2-Integrin Molecules in Arresting Neutrophils Face Each Other through Binding to ICAMs In cis. <i>Cell Reports</i> , 2019, 26, 119-130.e5.	6.4	46
102	Rap1 binding and a lipid-dependent helix in talin F1 domain promote integrin activation in tandem. <i>Journal of Cell Biology</i> , 2019, 218, 1799-1809.	5.2	45
103	Live cell imaging to understand monocyte, macrophage, and dendritic cell function in atherosclerosis. <i>Journal of Experimental Medicine</i> , 2016, 213, 1117-1131.	8.5	44
104	Atherosclerosis in the single-cell era. <i>Current Opinion in Lipidology</i> , 2018, 29, 389-396.	2.7	44
105	Deconvolution of pro- and antiviral genomic responses in Zika virus-infected and bystander macrophages. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, E9172-E9181.	7.1	44
106	Atheroprotective vaccination with MHC-II-restricted ApoB peptides induces peritoneal IL-10-producing CD4 T cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H781-H790.	3.2	42
107	Myeloid-Specific Deletion of Epsins 1 and 2 Reduces Atherosclerosis by Preventing LRP-1 Downregulation. <i>Circulation Research</i> , 2019, 124, e6-e19.	4.5	41
108	Intravital live cell triggered imaging system reveals monocyte patrolling and macrophage migration in atherosclerotic arteries. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	2.6	40

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109	Leukocyte arrest: Biomechanics and molecular mechanisms of β_2 integrin activation. <i>Biorheology</i> , 2016, 52, 353-377.	0.4	40
110	Heterogeneity of immune cells in human atherosclerosis revealed by scRNA-Seq. <i>Cardiovascular Research</i> , 2021, 117, 2537-2543.	3.8	39
111	ATVB Distinguished Scientist Award. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017, 37, 764-777.	2.4	38
112	Altered Gut Microbiota and Host Metabolite Profiles in Women With Human Immunodeficiency Virus. <i>Clinical Infectious Diseases</i> , 2020, 71, 2345-2353.	5.8	38
113	Regulatory T Cell Stability and Plasticity in Atherosclerosis. <i>Cells</i> , 2020, 9, 2665.	4.1	38
114	Increased Cholesterol Content in Gammadelta ($\gamma\delta$) T Lymphocytes Differentially Regulates Their Activation. <i>PLoS ONE</i> , 2013, 8, e63746.	2.5	35
115	Effector and Regulatory T Cells Roll at High Shear Stress by Inducible Tether and Sling Formation. <i>Cell Reports</i> , 2017, 21, 3885-3899.	6.4	34
116	Gnb isoforms control a signaling pathway comprising Rac1, Plc β 2, and Plc β 3 leading to LFA-1 activation and neutrophil arrest in vivo. <i>Blood</i> , 2016, 127, 314-324.	1.4	33
117	Noninvasive in vivo magnetic resonance imaging of injury-induced neointima formation in the carotid artery of the apolipoprotein-E null mouse. <i>Journal of Magnetic Resonance Imaging</i> , 2000, 12, 790-794.	3.4	32
118	The Transmembrane Domains of L-selectin and CD44 Regulate Receptor Cell Surface Positioning and Leukocyte Adhesion under Flow. <i>Journal of Biological Chemistry</i> , 2010, 285, 13490-13497.	3.4	32
119	CD45 pre-exclusion from the tips of T cell microvilli prior to antigen recognition. <i>Nature Communications</i> , 2021, 12, 3872.	12.8	32
120	The second touch hypothesis: T cell activation, homing and polarization. <i>F1000Research</i> , 2014, 3, 37.	1.6	32
121	Sequential Immune Responses: The Weapons of Immunity. <i>Journal of Innate Immunity</i> , 2015, 7, 443-449.	3.8	31
122	Vaccination against atherosclerosis. <i>Current Opinion in Immunology</i> , 2019, 59, 15-24.	5.5	31
123	Kindlin-3 recruitment to the plasma membrane precedes high-affinity β_2 -integrin and neutrophil arrest from rolling. <i>Blood</i> , 2021, 137, 29-38.	1.4	30
124	P-selectin glycoprotein ligand-1 in T cells. <i>Current Opinion in Hematology</i> , 2017, 24, 265-273.	2.5	29
125	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	29
126	Protein Kinase C- δ Is Required for Murine Neutrophil Recruitment and Adhesion Strengthening under Flow. <i>Journal of Immunology</i> , 2012, 188, 4043-4051.	0.8	28

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127	Spiking Pandemic Potential: Structural and Immunological Aspects of SARS-CoV-2. <i>Trends in Microbiology</i> , 2020, 28, 605-618.	7.7	28
128	Microfluidics-based side view flow chamber reveals tether-to-sling transition in rolling neutrophils. <i>Scientific Reports</i> , 2016, 6, 28870.	3.3	25
129	Biocompatibility studies of macroscopic fibers made from carbon nanotubes: Implications for carbon nanotube macrostructures in biomedical applications. <i>Carbon</i> , 2021, 173, 462-476.	10.3	25
130	Dynamics of Microvillus Extension and Tether Formation in Rolling Leukocytes. <i>Cellular and Molecular Bioengineering</i> , 2009, 2, 207-217.	2.1	24
131	Epsin-mediated degradation of IP3R1 fuels atherosclerosis. <i>Nature Communications</i> , 2020, 11, 3984.	12.8	24
132	GÎ±i2 and GÎ±i3 Differentially Regulate Arrest from Flow and Chemotaxis in Mouse Neutrophils. <i>Journal of Immunology</i> , 2016, 196, 3828-3833.	0.8	23
133	2015 Russell Ross Memorial Lecture in Vascular Biology. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, 429-438.	2.4	22
134	IL-27R signaling controls myeloid cells accumulation and antigen-presentation in atherosclerosis. <i>Scientific Reports</i> , 2017, 7, 2255.	3.3	22
135	Transmission of integrin Î²7 transmembrane domain topology enables gut lymphoid tissue development. <i>Journal of Cell Biology</i> , 2018, 217, 1453-1465.	5.2	22
136	CX3CL1-Fc treatment prevents atherosclerosis in Ldlr KO mice. <i>Molecular Metabolism</i> , 2019, 20, 89-101.	6.5	21
137	Role of the adaptive immune system in atherosclerosis. <i>Biochemical Society Transactions</i> , 2020, 48, 2273-2281.	3.4	21
138	Molecular mechanisms of leukocyte Î²2 integrin activation. <i>Blood</i> , 2022, 139, 3480-3492.	1.4	21
139	Eventâ€Tracking Model of Adhesion Identifies Loadâ€Bearing Bonds in Rolling Leukocytes. <i>Microcirculation</i> , 2009, 16, 115-130.	1.8	20
140	Rolling neutrophils form tethers and slings under physiologic conditions in vivo. <i>Journal of Leukocyte Biology</i> , 2018, 103, 67-70.	3.3	20
141	Leukocyte Adhesion Deficiency IV. Monocyte Integrin Activation Deficiency in Cystic Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1075-1077.	5.6	19
142	Inflammatory Pathways Regulated by Tumor Necrosis Receptorâ€Associated Factor 1 Protect From Metabolic Consequences in Diet-Induced Obesity. <i>Circulation Research</i> , 2018, 122, 693-700.	4.5	19
143	A clinically applicable adjuvant for an atherosclerosis vaccine in mice. <i>European Journal of Immunology</i> , 2018, 48, 1580-1587.	2.9	19
144	A CD22â€Shp1 phosphatase axis controls integrin Î²7 display and B cell function in mucosal immunity. <i>Nature Immunology</i> , 2021, 22, 381-390.	14.5	19

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145	Cell Protrusions and Tethers: A Unified Approach. <i>Biophysical Journal</i> , 2011, 100, 1697-1707.	0.5	17
146	SAMP1/YitFc Mice Develop Ileitis via Loss of CCL21 and Defects in Dendritic Cell Migration. <i>Gastroenterology</i> , 2015, 148, 783-793.e5.	1.3	17
147	Micro-PTV Measurement of the Fluid Shear Stress Acting on Adherent Leukocytes In Vivo. <i>Biophysical Journal</i> , 2009, 96, 4249-4259.	0.5	16
148	The trafficking protein JFC1 regulates Rac1-GTP localization at the uropod controlling neutrophil chemotaxis and in vivo migration. <i>Journal of Leukocyte Biology</i> , 2019, 105, 1209-1224.	3.3	16
149	Macrophage Polarization: Decisions That Affect Health. <i>Journal of Clinical & Cellular Immunology</i> , 2015, 06, .	1.5	16
150	Single cell transcriptomics and TCR reconstruction reveal CD4 T cell response to MHC-II-restricted APOB epitope in human cardiovascular disease. , 2022, 1, 462-475.		16
151	Frontline Science: A flexible kink in the transmembrane domain impairs $\beta 2$ integrin extension and cell arrest from rolling. <i>Journal of Leukocyte Biology</i> , 2020, 107, 175-183.	3.3	15
152	Frontline Science: Kindlin-3 is essential for patrolling and phagocytosis functions of nonclassical monocytes during metastatic cancer surveillance. <i>Journal of Leukocyte Biology</i> , 2020, 107, 883-892.	3.3	15
153	Chapter 11 Intravital Microscopic Investigation of Leukocyte Interactions with the Blood Vessel Wall. <i>Methods in Enzymology</i> , 2008, 445, 255-279.	1.0	14
154	Live Cell Imaging of Paxillin in Rolling Neutrophils by Dual-Color Quantitative Dynamic Footprinting. <i>Microcirculation</i> , 2011, 18, 361-372.	1.8	14
155	Natural Killer Cells at Ease. <i>Circulation Research</i> , 2018, 122, 6-7.	4.5	14
156	Opportunities for an atherosclerosis vaccine: From mice to humans. <i>Vaccine</i> , 2020, 38, 4495-4506.	3.8	14
157	Sulfated Sugars for Rolling Lymphocytes. <i>Journal of Experimental Medicine</i> , 2003, 198, 1285-1288.	8.5	12
158	Dances with leukocytes: how tetraspanin-enriched microdomains assemble to form endothelial adhesive platforms. <i>Journal of Cell Biology</i> , 2008, 183, 375-376.	5.2	12
159	Imaging of the immune system " towards a subcellular and molecular understanding. <i>Journal of Cell Science</i> , 2020, 133, .	2.0	12
160	Loss of CXCR4 on non-classical monocytes in participants of the Women's Interagency HIV Study (WIHS) with subclinical atherosclerosis. <i>Cardiovascular Research</i> , 2019, 115, 1029-1040.	3.8	11
161	Inflammation and Atherosclerosis. <i>Cells</i> , 2021, 10, 1197.	4.1	11
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