

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

205 papers	22,917 citations	68 h-index	150 g-index
244 ext. papers	27,235 ext. citations	10.9 avg, IF	7.41 L-index

#	Paper	IF	Citations
205	Getting to the site of inflammation: the leukocyte adhesion cascade updated. <i>Nature Reviews Immunology</i> , 2007 , 7, 678-89	36.5	2949
204	Development of monocytes, macrophages, and dendritic cells. <i>Science</i> , 2010 , 327, 656-61	33.3	2088
203	Immune and inflammatory mechanisms of atherosclerosis (*). <i>Annual Review of Immunology</i> , 2009 , 27, 165-97	34.7	1038
202	Circulating activated platelets exacerbate atherosclerosis in mice deficient in apolipoprotein E. <i>Nature Medicine</i> , 2003 , 9, 61-7	50.5	820
201	Phagocytosis of apoptotic neutrophils regulates granulopoiesis via IL-23 and IL-17. <i>Immunity</i> , 2005 , 22, 285-94	32.3	669
200	Critical role for beta7 integrins in formation of the gut-associated lymphoid tissue. <i>Nature</i> , 1996 , 382, 366-70	50.4	478
199	Macrophage Polarization: Different Gene Signatures in M1(LPS+) vs. Classically and M2(LPS-) vs. Alternatively Activated Macrophages. <i>Frontiers in Immunology</i> , 2019 , 10, 1084	8.4	477
198	RANTES deposition by platelets triggers monocyte arrest on inflamed and atherosclerotic endothelium. <i>Circulation</i> , 2001 , 103, 1772-7	16.7	470
197	Immunity and Inflammation in Atherosclerosis. <i>Circulation Research</i> , 2019 , 124, 315-327	15.7	427
196	Interleukin-17 signaling in inflammatory, Kupffer cells, and hepatic stellate cells exacerbates liver fibrosis in mice. <i>Gastroenterology</i> , 2012 , 143, 765-776.e3	13.3	400
195	Monocyte and macrophage dynamics during atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2011 , 31, 1506-16	9.4	390
194	Regulated accumulation of desmosterol integrates macrophage lipid metabolism and inflammatory responses. <i>Cell</i> , 2012 , 151, 138-52	56.2	373
193	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, 1273-82	16.6	366
192	Selectins in T-cell recruitment to non-lymphoid tissues and sites of inflammation. <i>Nature Reviews Immunology</i> , 2004 , 4, 325-35	36.5	363
191	Leukocyte ligands for endothelial selectins: specialized glycoconjugates that mediate rolling and signaling under flow. <i>Blood</i> , 2011 , 118, 6743-51	2.2	340
190	Blockade of interleukin-17A results in reduced atherosclerosis in apolipoprotein E-deficient mice. <i>Circulation</i> , 2010 , 121, 1746-55	16.7	317
189	Single-Cell RNA-Seq Reveals the Transcriptional Landscape and Heterogeneity of Aortic Macrophages in Murine Atherosclerosis. <i>Circulation Research</i> , 2018 , 122, 1661-1674	15.7	316

188	Threshold levels of fluid shear promote leukocyte adhesion through selectins (CD62L,P,E). <i>Journal of Cell Biology</i> , 1997 , 136, 717-27	7.3	297
187	Deposition of platelet RANTES triggering monocyte recruitment requires P-selectin and is involved in neointima formation after arterial injury. <i>Circulation</i> , 2002 , 106, 1523-9	16.7	288
186	NR4A1 (Nur77) deletion polarizes macrophages toward an inflammatory phenotype and increases atherosclerosis. <i>Circulation Research</i> , 2012 , 110, 416-27	15.7	287
185	Local-pooled-error test for identifying differentially expressed genes with a small number of replicated microarrays. <i>Bioinformatics</i> , 2003 , 19, 1945-51	7.2	273
184	Monocyte trafficking across the vessel wall. <i>Cardiovascular Research</i> , 2015 , 107, 321-30	9.9	244
183	M1 and M2 macrophages: the chicken and the egg of immunity. <i>Journal of Innate Immunity</i> , 2014 , 6, 716-26	16.6	242
182	Critical role of endothelial CXCR2 in LPS-induced neutrophil migration into the lung. <i>Journal of Clinical Investigation</i> , 2006 , 116, 695-702	15.9	242
181	Spleen tyrosine kinase Syk is necessary for E-selectin-induced alpha(L)beta(2) integrin-mediated rolling on intercellular adhesion molecule-1. <i>Immunity</i> , 2007 , 26, 773-83	32.3	241
180	Integrin-based therapeutics: biological basis, clinical use and new drugs. <i>Nature Reviews Drug Discovery</i> , 2016 , 15, 173-83	64.1	239
179	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. <i>Nature</i> , 2018 , 558, 301-306	50.4	227
178	Glycosylation in immune cell trafficking. <i>Immunological Reviews</i> , 2009 , 230, 97-113	11.3	216
177	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	15.7	212
176	The chemokine KC, but not monocyte chemoattractant protein-1, triggers monocyte arrest on early atherosclerotic endothelium. <i>Journal of Clinical Investigation</i> , 2001 , 108, 1307-14	15.9	212
175	Homeostatic regulation of blood neutrophil counts. <i>Journal of Immunology</i> , 2008 , 181, 5183-8	5.3	205
174	CXC chemokine ligand 4 induces a unique transcriptome in monocyte-derived macrophages. <i>Journal of Immunology</i> , 2010 , 184, 4810-8	5.3	194
173	Vav GEFs are required for beta2 integrin-dependent functions of neutrophils. <i>Journal of Cell Biology</i> , 2004 , 166, 273-82	7.3	187
172	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, 153-9	15.7	184
171	L-selectin shedding regulates leukocyte recruitment. <i>Journal of Experimental Medicine</i> , 2001 , 193, 863-72	26.6	183

170	Near-wall micro-PIV reveals a hydrodynamically relevant endothelial surface layer in venules in vivo. <i>Biophysical Journal</i> , 2003 , 85, 637-45	2.9	180
169	Neutrophils: New insights and open questions. <i>Science Immunology</i> , 2018 , 3,	28	180
168	Distinct roles for talin-1 and kindlin-3 in LFA-1 extension and affinity regulation. <i>Blood</i> , 2012 , 119, 4275-82	172	
167	Dynamic T cell-APC interactions sustain chronic inflammation in atherosclerosis. <i>Journal of Clinical Investigation</i> , 2012 , 122, 3114-26	15.9	167
166	Mechanisms and consequences of neutrophil interaction with the endothelium. <i>American Journal of Pathology</i> , 2008 , 172, 1-7	5.8	158
165	Importance of E-selectin for firm leukocyte adhesion in vivo. <i>Circulation Research</i> , 1998 , 83, 287-94	15.7	153
164	Neutrophil adhesion and activation under flow. <i>Microcirculation</i> , 2009 , 16, 31-42	2.9	140
163	Leukocyte arrest during cytokine-dependent inflammation in vivo. <i>Journal of Immunology</i> , 2000 , 164, 3301-8	5.3	140
162	Preferential migration of effector CD8+ T cells into the interstitium of the normal lung. <i>Journal of Clinical Investigation</i> , 2005 , 115, 3473-83	15.9	140
161	Platelet, but not endothelial, P-selectin is critical for neutrophil-mediated acute postischemic renal failure. <i>FASEB Journal</i> , 2001 , 15, 2337-44	0.9	139
160	T cell subsets and functions in atherosclerosis. <i>Nature Reviews Cardiology</i> , 2020 , 17, 387-401	14.8	138
159	Atherosclerosis. <i>Circulation Research</i> , 2018 , 123, 1118-1120	15.7	136
158	Relevance of L-selectin shedding for leukocyte rolling in vivo. <i>Journal of Experimental Medicine</i> , 1999 , 189, 939-48	16.6	134
157	Rolling on E- or P-selectin induces the extended but not high-affinity conformation of LFA-1 in neutrophils. <i>Blood</i> , 2010 , 116, 617-24	2.2	133
156	FlingsPenable neutrophil rolling at high shear. <i>Nature</i> , 2012 , 488, 399-403	50.4	130
155	Tyrosine kinase Btk regulates E-selectin-mediated integrin activation and neutrophil recruitment by controlling phospholipase C (PLC) gamma2 and PI3Kgamma pathways. <i>Blood</i> , 2010 , 115, 3118-27	2.2	124
154	IL-17A-producing neutrophil-regulatory Tn lymphocytes. <i>Immunologic Research</i> , 2006 , 34, 229-42	4.3	122
153	CXCR2- and E-selectin-induced neutrophil arrest during inflammation in vivo. <i>Journal of Experimental Medicine</i> , 2004 , 200, 935-9	16.6	119

152	M1 Means Kill; M2 Means Heal. <i>Journal of Immunology</i> , 2017 , 199, 2191-2193	5.3	112
151	T cells in atherosclerosis. <i>International Immunology</i> , 2013 , 25, 615-22	4.9	110
150	CXCR6 promotes atherosclerosis by supporting T-cell homing, interferon-gamma production, and macrophage accumulation in the aortic wall. <i>Circulation</i> , 2007 , 116, 1801-11	16.7	102
149	Neutrophil arrest by LFA-1 activation. <i>Frontiers in Immunology</i> , 2012 , 3, 157	8.4	91
148	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. <i>Circulation Research</i> , 2020 , 127, 402-426	15.7	91
147	Biomechanics of leukocyte rolling. <i>Biorheology</i> , 2011 , 48, 1-35	1.7	88
146	Role of the endothelial surface layer in neutrophil recruitment. <i>Journal of Leukocyte Biology</i> , 2015 , 98, 503-15	6.5	84
145	B-cell aortic homing and atheroprotection depend on Id3. <i>Circulation Research</i> , 2012 , 110, e1-12	15.7	82
144	Role of primary and secondary capture for leukocyte accumulation in vivo. <i>Circulation Research</i> , 1998 , 82, 30-8	15.7	82
143	Galphai2 is required for chemokine-induced neutrophil arrest. <i>Blood</i> , 2007 , 110, 3773-9	2.2	74
142	Rap1a activation by CalDAG-GEFI and p38 MAPK is involved in E-selectin-dependent slow leukocyte rolling. <i>European Journal of Immunology</i> , 2011 , 41, 2074-85	6.1	73
141	Regulatory CD4 T Cells Recognize Major Histocompatibility Complex Class II Molecule-Restricted Peptide Epitopes of Apolipoprotein B. <i>Circulation</i> , 2018 , 138, 1130-1143	16.7	71
140	The PSGL-1-L-selectin signaling complex regulates neutrophil adhesion under flow. <i>Journal of Experimental Medicine</i> , 2013 , 210, 2171-80	16.6	71
139	Leukocyte phosphoinositide-3 kinase {gamma} is required for chemokine-induced, sustained adhesion under flow in vivo. <i>Journal of Leukocyte Biology</i> , 2006 , 80, 1491-9	6.5	71
138	How dendritic cells shape atherosclerosis. <i>Trends in Immunology</i> , 2011 , 32, 540-7	14.4	69
137	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, 625-35	6.5	68
136	CCR5+T-bet+FoxP3+ Effector CD4 T Cells Drive Atherosclerosis. <i>Circulation Research</i> , 2016 , 118, 1540-52	15.7	68
135	Endothelial Protective Monocyte Patrolling in Large Arteries Intensified by Western Diet and Atherosclerosis. <i>Circulation Research</i> , 2017 , 120, 1789-1799	15.7	66

134	Induction of LFA-1-dependent neutrophil rolling on ICAM-1 by engagement of E-selectin. <i>Microcirculation</i> , 2006 , 13, 99-109	2.9	65
133	Atheroprotective Vaccination with MHC-II Restricted Peptides from ApoB-100. <i>Frontiers in Immunology</i> , 2013 , 4, 493	8.4	62
132	PSGL-1-dependent myeloid leukocyte activation. <i>Journal of Leukocyte Biology</i> , 2009 , 86, 1119-24	6.5	61
131	Differential DARC/ACKR1 expression distinguishes venular from non-venular endothelial cells in murine tissues. <i>BMC Biology</i> , 2017 , 15, 45	7.3	60
130	Quantitative dynamic footprinting microscopy reveals mechanisms of neutrophil rolling. <i>Nature Methods</i> , 2010 , 7, 821-4	21.6	59
129	Neutrophil recruitment limited by high-affinity bent α integrin binding ligand in cis. <i>Nature Communications</i> , 2016 , 7, 12658	17.4	58
128	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. <i>Nature Communications</i> , 2017 , 8, 16041	17.4	58
127	Platelet Serotonin Aggravates Myocardial Ischemia/Reperfusion Injury via Neutrophil Degranulation. <i>Circulation</i> , 2019 , 139, 918-931	16.7	58
126	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	17.4	57
125	Lymphocyte migration into atherosclerotic plaque. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015 , 35, 40-9	9.4	52
124	Neutrophil rolling at high shear: flattening, catch bond behavior, tethers and slings. <i>Molecular Immunology</i> , 2013 , 55, 59-69	4.3	52
123	How Mouse Macrophages Sense What Is Going On. <i>Frontiers in Immunology</i> , 2016 , 7, 204	8.4	52
122	Macrophages at the fork in the road to health or disease. <i>Frontiers in Immunology</i> , 2015 , 6, 59	8.4	50
121	Flow cytometry analysis of immune cells within murine aortas. <i>Journal of Visualized Experiments</i> , 2011 ,	1.6	50
120	Scavenger Receptor CD36 Directs Nonclassical Monocyte Patrolling Along the Endothelium During Early Atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 2043-2052	9.4	47
119	Beyond vascular inflammation--recent advances in understanding atherosclerosis. <i>Cellular and Molecular Life Sciences</i> , 2015 , 72, 3853-69	10.3	46
118	Neutrophil Recruitment: From Model Systems to Tissue-Specific Patterns. <i>Trends in Immunology</i> , 2019 , 40, 613-634	14.4	45
117	Vaccination to modulate atherosclerosis. <i>Autoimmunity</i> , 2015 , 48, 152-60	3	45

116	Protection from septic peritonitis by rapid neutrophil recruitment through omental high endothelial venules. <i>Nature Communications</i> , 2016 , 7, 10828	17.4	45
115	The second touch hypothesis: T cell activation, homing and polarization. <i>F1000Research</i> , 2014 , 3, 37	3.6	43
114	Pathogenic Autoimmunity in Atherosclerosis Evolves From Initially Protective Apolipoprotein B-Reactive CD4 T-Regulatory Cells. <i>Circulation</i> , 2020 , 142, 1279-1293	16.7	42
113	Single Cell RNA Sequencing in Atherosclerosis Research. <i>Circulation Research</i> , 2020 , 126, 1112-1126	15.7	39
112	Patrolling Mechanics of Non-Classical Monocytes in Vascular Inflammation. <i>Frontiers in Cardiovascular Medicine</i> , 2017 , 4, 80	5.4	39
111	Live cell imaging to understand monocyte, macrophage, and dendritic cell function in atherosclerosis. <i>Journal of Experimental Medicine</i> , 2016 , 213, 1117-31	16.6	33
110	Intravital live cell triggered imaging system reveals monocyte patrolling and macrophage migration in atherosclerotic arteries. <i>Journal of Biomedical Optics</i> , 2015 , 20, 26005	3.5	32
109	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	5.2	30
108	How the immune system shapes atherosclerosis: roles of innate and adaptive immunity. <i>Nature Reviews Immunology</i> , 2021 ,	36.5	30
107	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	7.3	29
106	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, 790-4	5.6	29
105	Leukocyte arrest: Biomechanics and molecular mechanisms of β 2 integrin activation. <i>Biorheology</i> , 2015 , 52, 353-77	1.7	29
104	Atherosclerosis in the single-cell era. <i>Current Opinion in Lipidology</i> , 2018 , 29, 389-396	4.4	29
103	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	10.6	28
102	Increased cholesterol content in gammadelta ($\gamma\delta$) T lymphocytes differentially regulates their activation. <i>PLoS ONE</i> , 2013 , 8, e63746	3.7	27
101	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, 13490-7	5.4	27
100	Migratory and Dancing Macrophage Subsets in Atherosclerotic Lesions. <i>Circulation Research</i> , 2019 , 125, 1038-1051	15.7	26
99	Effector and Regulatory T Cells Roll at High Shear Stress by Inducible Tether and Sling Formation. <i>Cell Reports</i> , 2017 , 21, 3885-3899	10.6	26

98	Circulating T cell-monocyte complexes are markers of immune perturbations. <i>ELife</i> , 2019 , 8,	8.9	25
97	Gnb isoforms control a signaling pathway comprising Rac1, Plc α , and Plc β leading to LFA-1 activation and neutrophil arrest in vivo. <i>Blood</i> , 2016 , 127, 314-24	2.2	25
96	A Single-Step Chemoenzymatic Reaction for the Construction of Antibody-Cell Conjugates. <i>ACS Central Science</i> , 2018 , 4, 1633-1641	16.8	25
95	Sequential Immune Responses: The Weapons of Immunity. <i>Journal of Innate Immunity</i> , 2015 , 7, 443-9	6.9	23
94	Protein kinase C- β s required for murine neutrophil recruitment and adhesion strengthening under flow. <i>Journal of Immunology</i> , 2012 , 188, 4043-51	5.3	23
93	The second touch hypothesis: T cell activation, homing and polarization. <i>F1000Research</i> , 2014 , 3, 37	3.6	22
92	Vaccination against atherosclerosis. <i>Current Opinion in Immunology</i> , 2019 , 59, 15-24	7.8	21
91	Dynamics of Microvillus Extension and Tether Formation in Rolling Leukocytes. <i>Cellular and Molecular Bioengineering</i> , 2009 , 2, 207-217	3.9	21
90	Spiking Pandemic Potential: Structural and Immunological Aspects of SARS-CoV-2. <i>Trends in Microbiology</i> , 2020 , 28, 605-618	12.4	21
89	P-selectin glycoprotein ligand-1 in T cells. <i>Current Opinion in Hematology</i> , 2017 , 24, 265-273	3.3	20
88	ATVB Distinguished Scientist Award: How Costimulatory and Coinhibitory Pathways Shape Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2017 , 37, 764-777	9.4	19
87	Event-tracking model of adhesion identifies load-bearing bonds in rolling leukocytes. <i>Microcirculation</i> , 2009 , 16, 115-30	2.9	19
86	Myeloid-Specific Deletion of Epsins 1 and 2 Reduces Atherosclerosis by Preventing LRP-1 Downregulation. <i>Circulation Research</i> , 2019 , 124, e6-e19	15.7	19
85	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	11.5	19
84	Microfluidics-based side view flow chamber reveals tether-to-sling transition in rolling neutrophils. <i>Scientific Reports</i> , 2016 , 6, 28870	4.9	18
83	Cell protrusions and tethers: a unified approach. <i>Biophysical Journal</i> , 2011 , 100, 1697-707	2.9	17
82	Kindlin-3 recruitment to the plasma membrane precedes high-affinity α -integrin and neutrophil arrest from rolling. <i>Blood</i> , 2021 , 137, 29-38	2.2	17
81	2015 Russell Ross Memorial Lecture in Vascular Biology: Protective Autoimmunity in Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016 , 36, 429-38	9.4	15

80	Rolling neutrophils form tethers and slings under physiologic conditions in vivo. <i>Journal of Leukocyte Biology</i> , 2018 , 103, 67-70	6.5	15
79	Micro-PTV measurement of the fluid shear stress acting on adherent leukocytes in vivo. <i>Biophysical Journal</i> , 2009 , 96, 4249-59	2.9	15
78	Regulatory T Cell Stability and Plasticity in Atherosclerosis. <i>Cells</i> , 2020 , 9,	7.9	15
77	Macrophage Polarization: Decisions That Affect Health. <i>Journal of Clinical & Cellular Immunology</i> , 2015 , 6,	2.7	14
76	Transmission of integrin α transmembrane domain topology enables gut lymphoid tissue development. <i>Journal of Cell Biology</i> , 2018 , 217, 1453-1465	7.3	13
75	IL-27R signaling controls myeloid cells accumulation and antigen-presentation in atherosclerosis. <i>Scientific Reports</i> , 2017 , 7, 2255	4.9	13
74	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	6.5	13
73	CX3CL1-Fc treatment prevents atherosclerosis in Ldlr KO mice. <i>Molecular Metabolism</i> , 2019 , 20, 89-101	8.8	13
72	Biocompatibility studies of macroscopic fibers made from carbon nanotubes: Implications for carbon nanotube macrostructures in biomedical applications. <i>Carbon</i> , 2021 , 173, 462-476	10.4	13
71	SAMP1/YitFc mice develop ileitis via loss of CCL21 and defects in dendritic cell migration. <i>Gastroenterology</i> , 2015 , 148, 783-793.e5	13.3	12
70	Inflammatory Pathways Regulated by Tumor Necrosis Receptor-Associated Factor 1 Protect From Metabolic Consequences in Diet-Induced Obesity. <i>Circulation Research</i> , 2018 , 122, 693-700	15.7	12
69	A clinically applicable adjuvant for an atherosclerosis vaccine in mice. <i>European Journal of Immunology</i> , 2018 , 48, 1580-1587	6.1	12
68	Dances with leukocytes: how tetraspanin-enriched microdomains assemble to form endothelial adhesive platforms. <i>Journal of Cell Biology</i> , 2008 , 183, 375-6	7.3	12
67	Chapter 11. Intravital microscopic investigation of leukocyte interactions with the blood vessel wall. <i>Methods in Enzymology</i> , 2008 , 445, 255-79	1.7	12
66	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	12
65	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	6.5	11
64	Live cell imaging of paxillin in rolling neutrophils by dual-color quantitative dynamic footprinting. <i>Microcirculation</i> , 2011 , 18, 361-72	2.9	11
63	Opportunities for an atherosclerosis vaccine: From mice to humans. <i>Vaccine</i> , 2020 , 38, 4495-4506	4.1	10

62	GL β and GL β Differentially Regulate Arrest from Flow and Chemotaxis in Mouse Neutrophils. <i>Journal of Immunology</i> , 2016 , 196, 3828-33	5.3	10
61	Sulfated sugars for rolling lymphocytes. <i>Journal of Experimental Medicine</i> , 2003 , 198, 1285-8	16.6	10
60	Role of the adaptive immune system in atherosclerosis. <i>Biochemical Society Transactions</i> , 2020 , 48, 2273-2281	9	
59	Frontline Science: A flexible kink in the transmembrane domain impairs β integrin extension and cell arrest from rolling. <i>Journal of Leukocyte Biology</i> , 2020 , 107, 175-183	6.5	9
58	Altered Gut Microbiota and Host Metabolite Profiles in Women With Human Immunodeficiency Virus. <i>Clinical Infectious Diseases</i> , 2020 , 71, 2345-2353	11.6	9
57	Leukocyte Adhesion Deficiency IV. Monocyte Integrin Activation Deficiency in Cystic Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 1075-7	10.2	9
56	Normalization of cholesterol metabolism in spinal microglia alleviates neuropathic pain. <i>Journal of Experimental Medicine</i> , 2021 , 218,	16.6	8
55	CD45 pre-exclusion from the tips of T cell microvilli prior to antigen recognition. <i>Nature Communications</i> , 2021 , 12, 3872	17.4	8
54	Imaging of the immune system - towards a subcellular and molecular understanding. <i>Journal of Cell Science</i> , 2020 , 133,	5.3	7
53	Oxidative modification of leukocyte adhesion. <i>Immunity</i> , 2005 , 22, 5-7	32.3	7
52	Epsin-mediated degradation of IP3R1 fuels atherosclerosis. <i>Nature Communications</i> , 2020 , 11, 3984	17.4	6
51	A CD22-Shp1 phosphatase axis controls integrin β display and B cell function in mucosal immunity. <i>Nature Immunology</i> , 2021 , 22, 381-390	19.1	6
50	Heterogeneity of immune cells in human atherosclerosis revealed by scRNA-Seq. <i>Cardiovascular Research</i> , 2021 , 117, 2537-2543	9.9	6
49	Leukocytes talking to VE-cadherin. <i>Blood</i> , 2013 , 122, 2300-1	2.2	5
48	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production.. <i>Science</i> , 2022 , 375, 214-221	33.3	5
47	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	9.9	5
46	HGF Guides T Cells into the Heart. <i>Immunity</i> , 2015 , 42, 979-81	32.3	4
45	MISTICA: Minimum Spanning Tree-Based Coarse Image Alignment for Microscopy Image Sequences. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016 , 20, 1575-1584	7.2	4

44	Arrest chemokines. <i>Frontiers in Immunology</i> , 2014 , 5, 150	8.4	4
43	Leaking chemokines confuse neutrophils. <i>Journal of Clinical Investigation</i> , 2020 , 130, 2177-2179	15.9	4
42	PRESTO, a new tool for integrating large-scale -omics data and discovering disease-specific signatures		4
41	Classical monocyte transcriptomes reveal significant anti-inflammatory statin effect in women with chronic HIV. <i>Cardiovascular Research</i> , 2021 , 117, 1166-1177	9.9	4
40	Registering sequences of in vivo microscopy images for cell tracking using dynamic programming and minimum spanning trees 2014 ,		3
39	Quantitative dynamic footprinting microscopy. <i>Immunology and Cell Biology</i> , 2013 , 91, 311-20	5	3
38	Myeloid cell-specific Irf5 deficiency stabilizes atherosclerotic plaques in Apoe mice. <i>Molecular Metabolism</i> , 2021 , 53, 101250	8.8	3
37	CITE-Seq Hits Vascular Medicine. <i>Clinical Chemistry</i> , 2020 , 66, 751-753	5.5	2
36	Developing Neutrophils Must Eat Themselves!. <i>Immunity</i> , 2017 , 47, 393-395	32.3	2
35	Multi-cell 3D tracking with adaptive acceptance gates 2010 ,		2
34	The Microcirculation in Inflammation 2008 , 387-448		2
33	Bone Marrow Transplantation Rescues Monocyte Recruitment Defect and Improves Cystic Fibrosis in Mice.. <i>Journal of Immunology</i> , 2022 ,	5.3	2
32	Combined protein and transcript single cell RNA sequencing in human peripheral blood mononuclear cells		2
31	Integrated scRNA-seq analysis identifies conserved transcriptomic features of mononuclear phagocytes in mouse and human atherosclerosis		2
30	A humanized α integrin knockin mouse reveals localized intra- and extravascular neutrophil integrin activation in vivo. <i>Cell Reports</i> , 2022 , 39, 110876	10.6	2
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