Klaus Ley

List of Publications by Year in descending order

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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	How the immune system shapes atherosclerosis: roles of innate and adaptive immunity. Nature Reviews Immunology, 2022, 22, 251-265.	22.7	176
2	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production. Science, 2022, 375, 214-221.	12.6	81
3	Bone Marrow Transplantation Rescues Monocyte Recruitment Defect and Improves Cystic Fibrosis in Mice. Journal of Immunology, 2022, 208, 745-752.	0.8	7
4	Flow Cytometry and for Measuring the Immune Infiltrate in Atherosclerotic Arteries. Methods in Molecular Biology, 2022, 2419, 779-800.	0.9	1
5	Single-Cell in Research. Methods in Molecular Biology, 2022, 2419, 765-778.	0.9	4
6	Neutrophil ion currents matter. Cardiovascular Research, 2022, 118, 1165-1166.	3.8	0
7	Molecular mechanisms of leukocyte Î²2 integrin activation. Blood, 2022, 139, 3480-3492.	1.4	21
8	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
9	A new Î² ₂ integrin activation reporter mouse reveals localized intraâ€•and extraâ€•vascular neutrophil integrin activation in vivo. FASEB Journal, 2022, 36, .	0.5	0
10	A humanized Î²2 integrin knockin mouse reveals localized intra- and extravascular neutrophil integrin activation inÂvivo. Cell Reports, 2022, 39, 110876.	6.4	7
11	The expanding family of neutrophilâ€derived extracellular vesicles. Immunological Reviews, 2022, 312, 52-60.	6.0	8
12	Immunodominant MHC-II (Major Histocompatibility Complex II) Restricted Epitopes in Human Apolipoprotein B. Circulation Research, 2022, 131, 258-276.	4.5	8
13	De-stressing plaques attenuates atherosclerosis progression. Trends in Immunology, 2022, , .	6.8	0
14	Biocompatibility studies of macroscopic fibers made from carbon nanotubes: Implications for carbon nanotube macrostructures in biomedical applications. Carbon, 2021, 173, 462-476.	10.3	25
15	Kindlin-3 recruitment to the plasma membrane precedes high-affinity Î²2-integrin and neutrophil arrest from rolling. Blood, 2021, 137, 29-38.	1.4	30
16	Classical monocyte transcriptomes reveal significant anti-inflammatory statin effect in women with chronic HIV. Cardiovascular Research, 2021, 117, 1166-1177.	3.8	8
17	A CD22â€“Shp1 phosphatase axis controls integrin Î²7 display and B cell function in mucosal immunity. Nature Immunology, 2021, 22, 381-390.	14.5	19
18	Fortified Tregs to fight atherosclerosis. Cardiovascular Research, 2021, 117, 1987-1988.	3.8	1

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19	Inflammation and Atherosclerosis. Cells, 2021, 10, 1197.	4.1	11
20	Normalization of cholesterol metabolism in spinal microglia alleviates neuropathic pain. Journal of Experimental Medicine, 2021, 218, .	8.5	51
21	Predicting Gene Expression From Computed Tomography Angiography. Arteriosclerosis, Thrombosis, and Vascular Biology, 2021, 41, 1751-1752.	2.4	1
22	Biomechanics of Neutrophil Tethers. Life, 2021, 11, 515.	2.4	6
23	A CD22â€Shp1 phosphatase axis controls integrin Î² 7 display and B cell function in mucosal immunity. FASEB Journal, 2021, 35, .	0.5	0
24	Data-Driven Kidney Transplant Phenotyping as a Histology-Independent Framework for Biomarker Discovery. Journal of the American Society of Nephrology: JASN, 2021, 32, 1933-1945.	6.1	4
25	CD45 pre-exclusion from the tips of T cell microvilli prior to antigen recognition. Nature Communications, 2021, 12, 3872.	12.8	32
26	Partial Inhibition of the 6-Phosphofructo-2-Kinase/Fructose-2,6-Bisphosphatase-3 (PFKFB3) Enzyme in Myeloid Cells Does Not Affect Atherosclerosis. Frontiers in Cell and Developmental Biology, 2021, 9, 695684.	3.7	4
27	Heterogeneity of immune cells in human atherosclerosis revealed by scRNA-Seq. Cardiovascular Research, 2021, 117, 2537-2543.	3.8	39
28	Endothelial Heparan Sulfate Mediates Hepatic Neutrophil Trafficking and Injury during Staphylococcus aureus Sepsis. MBio, 2021, 12, e0118121.	4.1	8
29	Myeloid cell-specific Irf5 deficiency stabilizes atherosclerotic plaques in Apoe mice. Molecular Metabolism, 2021, 53, 101250.	6.5	6
30	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. Journal of Experimental Medicine, 2021, 218, .	8.5	29
31	Thymus-Derived CD4+CD8+ Cells Reside in Mediastinal Adipose Tissue and the Aortic Arch. Journal of Immunology, 2021, 207, ji2100208.	0.8	1
32	Autoimmune Regulator (AIRE) Deficiency Does Not Affect Atherosclerosis and CD4 T Cell Immune Tolerance to Apolipoprotein B. Frontiers in Cardiovascular Medicine, 2021, 8, 812769.	2.4	2
33	Frontline Science: A flexible kink in the transmembrane domain impairs Î²2 integrin extension and cell arrest from rolling. Journal of Leukocyte Biology, 2020, 107, 175-183.	3.3	15
34	Altered Gut Microbiota and Host Metabolite Profiles in Women With Human Immunodeficiency Virus. Clinical Infectious Diseases, 2020, 71, 2345-2353.	5.8	38
35	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. Circulation Research, 2020, 127, 402-426.	4.5	207
36	Epsin-mediated degradation of IP3R1 fuels atherosclerosis. Nature Communications, 2020, 11, 3984.	12.8	24

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37	Pathogenic Autoimmunity in Atherosclerosis Evolves From Initially Protective Apolipoprotein B ₁₀₀ â€“Reactive CD4 ⁺ T-Regulatory Cells. Circulation, 2020, 142, 1279-1293.	1.6	100
38	Super-STORM: Molecular Modeling to Achieve Single-molecule Localization with STORM Microscopy. STAR Protocols, 2020, 1, 100012.	1.2	1
39	Regulatory T Cell Stability and Plasticity in Atherosclerosis. Cells, 2020, 9, 2665.	4.1	38
40	Blind Spot. JACC: CardioOncology, 2020, 2, 611-613.	4.0	1
41	Frontline Science: Kindlin-3 is essential for patrolling and phagocytosis functions of nonclassical monocytes during metastatic cancer surveillance. Journal of Leukocyte Biology, 2020, 107, 883-892.	3.3	15
42	T cell subsets and functions in atherosclerosis. Nature Reviews Cardiology, 2020, 17, 387-401.	13.7	379
43	Imaging of the immune system â€“ towards a subcellular and molecular understanding. Journal of Cell Science, 2020, 133, .	2.0	12
44	CITE-Seq Hits Vascular Medicine. Clinical Chemistry, 2020, 66, 751-753.	3.2	6
45	Opportunities for an atherosclerosis vaccine: From mice to humans. Vaccine, 2020, 38, 4495-4506.	3.8	14
46	Single Cell RNA Sequencing in Atherosclerosis Research. Circulation Research, 2020, 126, 1112-1126.	4.5	84
47	Spiking Pandemic Potential: Structural and Immunological Aspects of SARS-CoV-2. Trends in Microbiology, 2020, 28, 605-618.	7.7	28
48	Role of the adaptive immune system in atherosclerosis. Biochemical Society Transactions, 2020, 48, 2273-2281.	3.4	21
49	Leaking chemokines confuse neutrophils. Journal of Clinical Investigation, 2020, 130, 2177-2179.	8.2	9
50	Migratory and Dancing Macrophage Subsets in Atherosclerotic Lesions. Circulation Research, 2019, 125, 1038-1051.	4.5	47
51	Neutrophil Recruitment: From Model Systems to Tissue-Specific Patterns. Trends in Immunology, 2019, 40, 613-634.	6.8	85
52	Macrophage Polarization: Different Gene Signatures in M1(LPS+) vs. Classically and M2(LPSâ€“) vs. Alternatively Activated Macrophages. Frontiers in Immunology, 2019, 10, 1084.	4.8	1,202
53	Rap1 binding and a lipid-dependent helix in talin F1 domain promote integrin activation in tandem. Journal of Cell Biology, 2019, 218, 1799-1809.	5.2	45
54	Vaccination against atherosclerosis. Current Opinion in Immunology, 2019, 59, 15-24.	5.5	31

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55	The trafficking protein JFC1 regulates Rac1-GTP localization at the uropod controlling neutrophil chemotaxis and in vivo migration. Journal of Leukocyte Biology, 2019, 105, 1209-1224.	3.3	16
56	CX3CL1-Fc treatment prevents atherosclerosis in Ldlr KO mice. Molecular Metabolism, 2019, 20, 89-101.	6.5	21
57	Myeloid-Specific Deletion of Epsins 1 and 2 Reduces Atherosclerosis by Preventing LRP-1 Downregulation. Circulation Research, 2019, 124, e6-e19.	4.5	41
58	High-Affinity Bent Î²2-Integrin Molecules in Arresting Neutrophils Face Each Other through Binding to ICAMs In cis. Cell Reports, 2019, 26, 119-130.e5.	6.4	46
59	Immunity and Inflammation in Atherosclerosis. Circulation Research, 2019, 124, 315-327.	4.5	972
60	Platelet Serotonin Aggravates Myocardial Ischemia/Reperfusion Injury via Neutrophil Degranulation. Circulation, 2019, 139, 918-931.	1.6	100
61	Loss of CXCR4 on non-classical monocytes in participants of the Womenâ€™s Interagency HIV Study (WIHS) with subclinical atherosclerosis. Cardiovascular Research, 2019, 115, 1029-1040.	3.8	11
62	Circulating T cell-monocyte complexes are markers of immune perturbations. ELife, 2019, 8, .	6.0	67
63	Kindlinâ€3 recruitment to the plasma membrane in neutrophils precedes high affinity integrin activation. FASEB Journal, 2019, 33, 523.7.	0.5	0
64	Rolling neutrophils form tethers and slings under physiologic conditions in vivo. Journal of Leukocyte Biology, 2018, 103, 67-70.	3.3	20
65	Leukocyte Adhesion. , 2018, , 171-203.		2
66	A ligand-specific blockade of the integrin Mac-1 selectively targets pathologic inflammation while maintaining protective host-defense. Nature Communications, 2018, 9, 525.	12.8	72
67	Inflammatory Pathways Regulated by Tumor Necrosis Receptorâ€“Associated Factor 1 Protect From Metabolic Consequences in Diet-Induced Obesity. Circulation Research, 2018, 122, 693-700.	4.5	19
68	Natural Killer Cells at Ease. Circulation Research, 2018, 122, 6-7.	4.5	14
69	Single-Cell RNA-Seq Reveals the Transcriptional Landscape and Heterogeneity of Aortic Macrophages in Murine Atherosclerosis. Circulation Research, 2018, 122, 1661-1674.	4.5	577
70	Atlas of the Immune Cell Repertoire in Mouse Atherosclerosis Defined by Single-Cell RNA-Sequencing and Mass Cytometry. Circulation Research, 2018, 122, 1675-1688.	4.5	377
71	Regulatory CD4 ⁺ T Cells Recognize Major Histocompatibility Complex Class II Moleculeâ€“Restricted Peptide Epitopes of Apolipoprotein B. Circulation, 2018, 138, 1130-1143.	1.6	140
72	Transmission of integrin Î²7 transmembrane domain topology enables gut lymphoid tissue development. Journal of Cell Biology, 2018, 217, 1453-1465.	5.2	22

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73	Atherosclerosis in the single-cell era. Current Opinion in Lipidology, 2018, 29, 389-396.	2.7	44
74	A Single-Step Chemoenzymatic Reaction for the Construction of Antibodyâ€“Cell Conjugates. ACS Central Science, 2018, 4, 1633-1641.	11.3	59
75	Neutrophils: New insights and open questions. Science Immunology, 2018, 3, .	11.9	348
76	Atherosclerosis. Circulation Research, 2018, 123, 1118-1120.	4.5	320
77	Deconvolution of pro- and antiviral genomic responses in Zika virus-infected and bystander macrophages. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E9172-E9181.	7.1	44
78	A clinically applicable adjuvant for an atherosclerosis vaccine in mice. European Journal of Immunology, 2018, 48, 1580-1587.	2.9	19
79	Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice. Nature, 2018, 558, 301-306.	27.8	359
80	Neutrophils form elongated shearâ€derived particles (SDP) via shedding tethers and slings. FASEB Journal, 2018, 32, 574.6.	0.5	0
81	P-selectin glycoprotein ligand-1 in T cells. Current Opinion in Hematology, 2017, 24, 265-273.	2.5	29
82	Breaking a Vicious Cycle. New England Journal of Medicine, 2017, 376, 1172-1174.	27.0	5
83	Atheroprotective vaccination with MHC-II-restricted ApoB peptides induces peritoneal IL-10-producing CD4 T cells. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H781-H790.	3.2	42
84	ATVB Distinguished Scientist Award. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 764-777.	2.4	38
85	Endothelial Protective Monocyte Patrolling in Large Arteries Intensified by Western Diet and Atherosclerosis. Circulation Research, 2017, 120, 1789-1799.	4.5	82
86	M1 Means Kill; M2 Means Heal. Journal of Immunology, 2017, 199, 2191-2193.	0.8	214
87	Developing Neutrophils Must Eatâ€¦Themselves!. Immunity, 2017, 47, 393-395.	14.3	4
88	Scavenger Receptor CD36 Directs Nonclassical Monocyte Patrolling Along the Endothelium During Early Atherogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 2043-2052.	2.4	65
89	Natural variation of macrophage activation as disease-relevant phenotype predictive of inflammation and cancer survival. Nature Communications, 2017, 8, 16041.	12.8	113
90	IL-27R signaling controls myeloid cells accumulation and antigen-presentation in atherosclerosis. Scientific Reports, 2017, 7, 2255.	3.3	22

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91	Differential DARC/ACKR1 expression distinguishes venular from non-venular endothelial cells in murine tissues. BMC Biology, 2017, 15, 45.	3.8	124
92	Effector and Regulatory T Cells Roll at High Shear Stress by Inducible Tether and Sling Formation. Cell Reports, 2017, 21, 3885-3899.	6.4	34
93	A two-stage minimum spanning tree (MST) based clustering algorithm for 2D deformable registration of time sequenced images. , 2017, , .		0
94	Patrolling Mechanics of Non-Classical Monocytes in Vascular Inflammation. Frontiers in Cardiovascular Medicine, 2017, 4, 80.	2.4	64
95	Selecting the Optimal Sequence for Deformable Registration of Microscopy Image Sequences Using Two-Stage MST-based Clustering Algorithm. Lecture Notes in Computer Science, 2017, , 353-361.	1.3	1
96	Abstract 94: Deficiency of Epsins in Macrophages Ameliorates Atherosclerosis by Attenuating Inflammation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, .	2.4	0
97	Abstract 44: Failure of Protective Autoimmunity in Mouse and Human Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, .	2.4	0
98	How Mouse Macrophages Sense What Is Going On. Frontiers in Immunology, 2016, 7, 204.	4.8	99
99	Leukocyte Adhesion Deficiency IV. Monocyte Integrin Activation Deficiency in Cystic Fibrosis. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1075-1077.	5.6	19
100	Microfluidics-based side view flow chamber reveals tether-to-sling transition in rolling neutrophils. Scientific Reports, 2016, 6, 28870.	3.3	25
101	Protection from septic peritonitis by rapid neutrophil recruitment through omental high endothelial venules. Nature Communications, 2016, 7, 10828.	12.8	58
102	Leukocyte arrest: Biomechanics and molecular mechanisms of Î² 2 integrin activation. Biorheology, 2016, 52, 353-377.	0.4	40
103	CCR5 ⁺ T-bet ⁺ FoxP3 ⁺ Effector CD4 T Cells Drive Atherosclerosis. Circulation Research, 2016, 118, 1540-1552.	4.5	104
104	Gnb isoforms control a signaling pathway comprising Rac1, PlcÎ²2, and PlcÎ²3 leading to LFA-1 activation and neutrophil arrest in vivo. Blood, 2016, 127, 314-324.	1.4	33
105	Neutrophil recruitment limited by high-affinity bent Î²2 integrin binding ligand in cis. Nature Communications, 2016, 7, 12658.	12.8	84
106	Live cell imaging to understand monocyte, macrophage, and dendritic cell function in atherosclerosis. Journal of Experimental Medicine, 2016, 213, 1117-1131.	8.5	44
107	Integrin-based therapeutics: biological basis, clinical use and new drugs. Nature Reviews Drug Discovery, 2016, 15, 173-183.	46.4	324
108	MISTICA: Minimum Spanning Tree-Based Coarse Image Alignment for Microscopy Image Sequences. IEEE Journal of Biomedical and Health Informatics, 2016, 20, 1575-1584.	6.3	6

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109	GÎ±i2 and GÎ±i3 Differentially Regulate Arrest from Flow and Chemotaxis in Mouse Neutrophils. Journal of Immunology, 2016, 196, 3828-3833.	0.8	23
110	2015 Russell Ross Memorial Lecture in Vascular Biology. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 429-438.	2.4	22
111	Abstract 361: Oxidized Phospholipids Are Proinflammatory and Proatherogenic. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
112	Abstract 239: Deficiency of Macrophage Epsins Impedes Atherosclerosis by Inhibiting LRP-1 Internalization and Degradation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
113	Abstract 21: A Natural Repertoire of T Cells Recognizing ApoB-100 is Generated Early in Life and is Progressively Depleted During Atherosclerotic Disease. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
114	Abstract 351: MHC-II Tetramer-based Isolation of Atherosclerosis Autoantigen-specific T Cells. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
115	Live cell imaging to understand monocyte, macrophage, and dendritic cell function in atherosclerosis. Journal of Cell Biology, 2016, 213, 2136OIA120.	5.2	1
116	Monocyte trafficking across the vessel wall. Cardiovascular Research, 2015, 107, 321-330.	3.8	370
117	Role of the endothelial surface layer in neutrophil recruitment. Journal of Leukocyte Biology, 2015, 98, 503-515.	3.3	104
118	Waking Up the Stem Cell Niche. Circulation Research, 2015, 116, 389-392.	4.5	9
119	Momentum measure for quantifying dendritic cell movement. , 2015, , .		0
120	Vaccination to modulate atherosclerosis. Autoimmunity, 2015, 48, 152-160.	2.6	56
121	HGF Guides T Cells into the Heart. Immunity, 2015, 42, 979-981.	14.3	5
122	Beyond vascular inflammationâ€"recent advances in understanding atherosclerosis. Cellular and Molecular Life Sciences, 2015, 72, 3853-3869.	5.4	58
123	Macrophages at the Fork in the Road to Health or Disease. Frontiers in Immunology, 2015, 6, 59.	4.8	59
124	SAMP1/YitFc Mice Develop Ileitis via Loss of CCL21 and Defects in Dendritic Cell Migration. Gastroenterology, 2015, 148, 783-793.e5.	1.3	17
125	Intravital live cell triggered imaging system reveals monocyte patrolling and macrophage migration in atherosclerotic arteries. Journal of Biomedical Optics, 2015, 20, 1.	2.6	40
126	Sequential Immune Responses: The Weapons of Immunity. Journal of Innate Immunity, 2015, 7, 443-449.	3.8	31

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127	Lymphocyte Migration Into Atherosclerotic Plaque. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, 40-49.	2.4	72
128	Macrophage Polarization: Decisions That Affect Health. Journal of Clinical & Cellular Immunology, 2015, 06, .	1.5	16
129	Abstract 154: Atherosclerosis-specific CD4 T Cells Use the Chemokine CCL5 and Its Receptor CCR5 to Home to Mature Atherosclerotic Lesions in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
130	Abstract 141: The Role of Macrophage Epsins in the Regulation of LRP-1 in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2015, 35, .	2.4	0
131	M1 and M2 Macrophages: The Chicken and the Egg of Immunity. Journal of Innate Immunity, 2014, 6, 716-726.	3.8	310
132	Arrest Chemokines. Frontiers in Immunology, 2014, 5, 150.	4.8	4
133	Registering sequences of in vivo microscopy images for cell tracking using dynamic programming and minimum spanning trees. , 2014, , .		5
134	The second touch hypothesis: T cell activation, homing and polarization. F1000Research, 2014, 3, 37.	1.6	32
135	The second touch hypothesis: T cell activation, homing and polarization. F1000Research, 2014, 3, 37.	1.6	61
136	Abstract P342: Macrophage Markers are Associated with Atherosclerotic Plaque and Distensibility in the Womenâ€™s Interagency HIV Study. Circulation, 2014, 129, .	1.6	0
137	Abstract 58: Delayed Atherosclerosis in a Mouse Model of Bernard-Soulier Syndrome is Independent of Glycoprotein Ibî± Extracytoplasmic Domain Deficiency. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, .	2.4	0
138	Neutrophil rolling at high shear: Flattening, catch bond behavior, tethers and slings. Molecular Immunology, 2013, 55, 59-69.	2.2	65
139	Quantitative dynamic footprinting microscopy. Immunology and Cell Biology, 2013, 91, 311-320.	2.3	4
140	The PSGL-1â€“L-selectin signaling complex regulates neutrophil adhesion under flow. Journal of Experimental Medicine, 2013, 210, 2171-2180.	8.5	80
141	Atheroprotective Vaccination with MHC-II Restricted Peptides from ApoB-100. Frontiers in Immunology, 2013, 4, 493.	4.8	78
142	T cells in atherosclerosis. International Immunology, 2013, 25, 615-622.	4.0	128
143	Leukocytes talking to VE-cadherin. Blood, 2013, 122, 2300-2301.	1.4	6
144	Increased Cholesterol Content in Gammadelta (Î³Î´) T Lymphocytes Differentially Regulates Their Activation. PLoS ONE, 2013, 8, e63746.	2.5	35

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145	Avidity regulation of the leukocyte integrin LFAâ€1. FASEB Journal, 2013, 27, 138.2.	0.5	0
146	Abstract 44: Interleukin-27 Signaling is a Critical Regulator of Inflammation in Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
147	Abstract 51: The Role of CCL5 in T cell Recruitment to the Aorta. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
148	Abstract 11: T Cell Functions in a Novel Antigen-specific Experimentally-induced Model of Atherosclerosis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
149	Abstract 50: Absence of L-selectin Affects the Distribution of B Cell Subsets and Local Immune Response in Apoe-/- Aortas. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, .	2.4	0
150	NR4A1 (Nur77) Deletion Polarizes Macrophages Toward an Inflammatory Phenotype and Increases Atherosclerosis. Circulation Research, 2012, 110, 416-427.	4.5	380
151	Protein Kinase C-Î¸ Is Required for Murine Neutrophil Recruitment and Adhesion Strengthening under Flow. Journal of Immunology, 2012, 188, 4043-4051.	0.8	28
152	B-Cell Aortic Homing and Atheroprotection Depend on Id3. Circulation Research, 2012, 110, e1-12.	4.5	102
153	Neutrophil arrest by LFA-1 activation. Frontiers in Immunology, 2012, 3, 157.	4.8	107
154	Distinct roles for talin-1 and kindlin-3 in LFA-1 extension and affinity regulation. Blood, 2012, 119, 4275-4282.	1.4	204
155	Interleukin-17 Signaling in Inflammatory, Kupffer Cells, and Hepatic Stellate Cells Exacerbates Liver Fibrosis in Mice. Gastroenterology, 2012, 143, 765-776.e3.	1.3	536
156	Dynamic T cellâ€“APC interactions sustain chronic inflammation in atherosclerosis. Journal of Clinical Investigation, 2012, 122, 3114-3126.	8.2	205
157	Regulated Accumulation of Desmosterol Integrates Macrophage Lipid Metabolism and Inflammatory Responses. Cell, 2012, 151, 138-152.	28.9	487
158	â€˜Slingsâ€™ enable neutrophil rolling at high shear. Nature, 2012, 488, 399-403.	27.8	153
159	Alteration of heparan sulfate 2â€Oâ€sulfation in endothelial cells enhances neutrophil infiltration in mice. FASEB Journal, 2012, 26, 609.1.	0.5	0
160	Flow Cytometry Analysis of Immune Cells Within Murine Aortas. Journal of Visualized Experiments, 2011, , .	0.3	56
161	Monocyte and Macrophage Dynamics During Atherogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1506-1516.	2.4	459
162	Cell Protrusions and Tethers: A Unified Approach. Biophysical Journal, 2011, 100, 1697-1707.	0.5	17

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163	How dendritic cells shape atherosclerosis. Trends in Immunology, 2011, 32, 540-547.	6.8	78
164	Biomechanics of leukocyte rolling. Biorheology, 2011, 48, 1-35.	0.4	99
165	CD63 positions CD62P for rolling. Blood, 2011, 118, 4012-4013.	1.4	2
166	Live Cell Imaging of Paxillin in Rolling Neutrophils by Dual-Color Quantitative Dynamic Footprinting. Microcirculation, 2011, 18, 361-372.	1.8	14
167	Leukocyte ligands for endothelial selectins: specialized glycoconjugates that mediate rolling and signaling under flow. Blood, 2011, 118, 6743-6751.	1.4	390
168	Rap1a activation by CalDAGâ€GEFI and p38 MAPK is involved in Eâ€selectinâ€dependent slow leukocyte rolling. European Journal of Immunology, 2011, 41, 2074-2085.	2.9	79
169	Tyrosine kinase Btk regulates E-selectinâ€“mediated integrin activation and neutrophil recruitment by controlling phospholipase C (PLC) Î³2 and PI3KÎ³ pathways. Blood, 2010, 115, 3118-3127.	1.4	141
170	Rolling on E- or P-selectin induces the extended but not high-affinity conformation of LFA-1 in neutrophils. Blood, 2010, 116, 617-624.	1.4	143
171	Development of Monocytes, Macrophages, and Dendritic Cells. Science, 2010, 327, 656-661.	12.6	2,471
172	Quantitative dynamic footprinting microscopy reveals mechanisms of neutrophil rolling. Nature Methods, 2010, 7, 821-824.	19.0	69
173	CXC Chemokine Ligand 4 Induces a Unique Transcriptome in Monocyte-Derived Macrophages. Journal of Immunology, 2010, 184, 4810-4818.	0.8	256
174	Multi-cell 3D tracking with adaptive acceptance gates. , 2010, , .		3
175	Blockade of Interleukin-17A Results in Reduced Atherosclerosis in Apolipoprotein Eâ€“Deficient Mice. Circulation, 2010, 121, 1746-1755.	1.6	368
176	The Transmembrane Domains of L-selectin and CD44 Regulate Receptor Cell Surface Positioning and Leukocyte Adhesion under Flow. Journal of Biological Chemistry, 2010, 285, 13490-13497.	3.4	32
177	Stressed microvilli and long tethers in rolling, tight adhesion zones and aft trunks in arresting neutrophils revealed using Total Internal Reflection Fluorescence Microscopy (TIRFM). FASEB Journal, 2010, 24, 590.2.	0.5	0
178	The plasma microparticle proteome updated. FASEB Journal, 2010, 24, 670.6.	0.5	0
179	PSGL-1-dependent myeloid leukocyte activation. Journal of Leukocyte Biology, 2009, 86, 1119-1124.	3.3	75
180	Dynamics of Microvillus Extension and Tether Formation in Rolling Leukocytes. Cellular and Molecular Bioengineering, 2009, 2, 207-217.	2.1	24

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181	Glycosylation in immune cell trafficking. Immunological Reviews, 2009, 230, 97-113.	6.0	260
182	Neutrophil Adhesion and Activation under Flow. Microcirculation, 2009, 16, 31-42.	1.8	167
183	Eventâ€Tracking Model of Adhesion Identifies Loadâ€Bearing Bonds in Rolling Leukocytes. Microcirculation, 2009, 16, 115-130.	1.8	20
184	Immune and Inflammatory Mechanisms of Atherosclerosis. Annual Review of Immunology, 2009, 27, 165-197.	21.8	1,249
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