

Myron I Cybulsky

List of Publications by Year in descending order

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114
papers

14,471
citations

61857

43
h-index

38300

95
g-index

129
all docs

129
docs citations

129
times ranked

17407
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.	10.6	3,547
2	Endothelial expression of a mononuclear leukocyte adhesion molecule during atherogenesis. <i>Science</i> , 1991, 251, 788-791.	6.0	1,542
3	A major role for VCAM-1, but not ICAM-1, in early atherosclerosis. <i>Journal of Clinical Investigation</i> , 2001, 107, 1255-1262.	3.9	989
4	NF- κ B: pivotal mediator or innocent bystander in atherogenesis?. <i>Journal of Clinical Investigation</i> , 2001, 107, 255-264.	3.9	640
5	Patterns of Vascular Cell Adhesion Molecule-1 and Intercellular Adhesion Molecule-1 Expression in Rabbit and Mouse Atherosclerotic Lesions and at Sites Predisposed to Lesion Formation. <i>Circulation Research</i> , 1999, 85, 199-207.	2.0	578
6	Self-renewing resident cardiac macrophages limit adverse remodeling following myocardial infarction. <i>Nature Immunology</i> , 2019, 20, 29-39.	7.0	537
7	MicroRNA-146 represses endothelial activation by inhibiting proinflammatory pathways. <i>EMBO Molecular Medicine</i> , 2013, 5, 1017-1034.	3.3	352
8	Expression of ICAM-1 and VCAM-1 and Monocyte Adherence in Arteries Exposed to Altered Shear Stress. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 15, 2-10.	1.1	333
9	Low-grade chronic inflammation in regions of the normal mouse arterial intima predisposed to atherosclerosis. <i>Journal of Experimental Medicine</i> , 2006, 203, 2073-2083.	4.2	292
10	Positive Regulation of T Cell Activation and Integrin Adhesion by the Adapter Fyb/Slap. <i>Science</i> , 2001, 293, 2260-2263.	6.0	278
11	Self-renewing resident arterial macrophages arise from embryonic CX3CR1+ precursors and circulating monocytes immediately after birth. <i>Nature Immunology</i> , 2016, 17, 159-168.	7.0	275
12	High-level expression of Egr-1 and Egr-1-inducible genes in mouse and human atherosclerosis. <i>Journal of Clinical Investigation</i> , 2000, 105, 653-662.	3.9	269
13	Resident Intimal Dendritic Cells Accumulate Lipid and Contribute to the Initiation of Atherosclerosis. <i>Circulation Research</i> , 2010, 106, 383-390.	2.0	262
14	Requirement of JNK2 for Scavenger Receptor A-Mediated Foam Cell Formation in Atherogenesis. <i>Science</i> , 2004, 306, 1558-1561.	6.0	259
15	Meta-Analysis of Leukocyte Diversity in Atherosclerotic Mouse Aortas. <i>Circulation Research</i> , 2020, 127, 402-426.	2.0	207
16	Endothelial cells suppress monocyte activation through secretion of extracellular vesicles containing antiinflammatory microRNAs. <i>Blood</i> , 2015, 125, 3202-3212.	0.6	205
17	Adhesion of Monocytes to Arterial Endothelium and Initiation of Atherosclerosis Are Critically Dependent on Vascular Cell Adhesion Molecule-1 Gene Dosage. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1662-1667.	1.1	198
18	Three tissue resident macrophage subsets coexist across organs with conserved origins and life cycles. <i>Science Immunology</i> , 2022, 7, eabf7777.	5.6	167

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19	Hyperlipidemia and Atherosclerotic Lesion Development in LDL Receptor-Deficient Mice Fed Defined Semipurified Diets With and Without Cholate. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999, 19, 1938-1944.	1.1	152
20	GM-CSF regulates intimal cell proliferation in nascent atherosclerotic lesions. <i>Journal of Experimental Medicine</i> , 2009, 206, 2141-2149.	4.2	151
21	Chemoattractants Induce a Rapid and Transient Upregulation of Monocyte α 4 Integrin Affinity for Vascular Cell Adhesion Molecule 1 Which Mediates Arrest. <i>Journal of Experimental Medicine</i> , 2001, 193, 1149-1158.	4.2	150
22	Wnt7b Regulates Placental Development in Mice. <i>Developmental Biology</i> , 2001, 237, 324-332.	0.9	137
23	Targeted Deletion of <i>fgl2</i> Leads to Impaired Regulatory T Cell Activity and Development of Autoimmune Glomerulonephritis. <i>Journal of Immunology</i> , 2008, 180, 249-260.	0.4	134
24	α 4 β 1 Integrin/VCAM-1 Interaction Activates α L β 2 Integrin-Mediated Adhesion to ICAM-1 in Human T Cells. <i>Journal of Immunology</i> , 2000, 164, 746-753.	0.4	119
25	Relative Reduction of Endothelial Nitric-Oxide Synthase Expression and Transcription in Atherosclerosis-Prone Regions of the Mouse Aorta and in an in Vitro Model of Disturbed Flow. <i>American Journal of Pathology</i> , 2007, 171, 1691-1704.	1.9	119
26	Dual Functions of Bruton's Tyrosine Kinase and Tec Kinase during Fc γ 3 Receptor-Induced Signaling and Phagocytosis. <i>Journal of Immunology</i> , 2008, 181, 288-298.	0.4	113
27	A novel assay uncovers an unexpected role for SR-BI in LDL transcytosis. <i>Cardiovascular Research</i> , 2015, 108, 268-277.	1.8	112
28	Endothelial-Dependent Mechanisms of Leukocyte Adhesion in Inflammation and Atherosclerosis. <i>Annals of the New York Academy of Sciences</i> , 1990, 598, 77-85.	1.8	107
29	Vascular Endothelium. <i>Annals of the New York Academy of Sciences</i> , 1994, 748, 122-131.	1.8	98
30	Phospholipase C, calcium, and calmodulin are critical for α 4 β 1 integrin affinity up-regulation and monocyte arrest triggered by chemoattractants. <i>Blood</i> , 2007, 109, 176-184.	0.6	87
31	Macrophages and Dendritic Cells. <i>Circulation Research</i> , 2016, 118, 637-652.	2.0	86
32	Selective eosinophil transendothelial migration triggered by eotaxin via modulation of Mac-1/ICAM-1 and VLA-4/VCAM-1 interactions. <i>International Immunology</i> , 1999, 11, 1-10.	1.8	85
33	A Hematogenous Route for Medulloblastoma Leptomeningeal Metastases. <i>Cell</i> , 2018, 172, 1050-1062.e14.	13.5	85
34	The FGL2-Fc γ RIIB pathway: A novel mechanism leading to immunosuppression. <i>European Journal of Immunology</i> , 2008, 38, 3114-3126.	1.6	81
35	Paradoxical Suppression of Atherosclerosis in the Absence of microRNA-146a. <i>Circulation Research</i> , 2017, 121, 354-367.	2.0	79
36	Discoidin Domain Receptor 1 on Bone Marrow-Derived Cells Promotes Macrophage Accumulation During Atherogenesis. <i>Circulation Research</i> , 2009, 105, 1141-1148.	2.0	75

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37	Acute Inflammation and Microthrombosis Induced by Endotoxin, Interleukin-1, and Tumor Necrosis Factor and their Implication in Gram-Negative Infection. , 1989, , 103-116.		73
38	Role of Double-Negative Regulatory T Cells in Long-Term Cardiac Xenograft Survival. Journal of Immunology, 2003, 170, 1846-1853.	0.4	66
39	Endothelial Nitric Oxide Synthase Gene Expression During Murine Embryogenesis. Circulation Research, 2008, 103, 24-33.	2.0	55
40	Oxidative Stress Reprograms Lipopolysaccharide Signaling via Src Kinase-dependent Pathway in RAW 264.7 Macrophage Cell Line. Journal of Biological Chemistry, 2003, 278, 47834-47841.	1.6	52
41	A CD103+ Conventional Dendritic Cell Surveillance System Prevents Development of Overt Heart Failure during Subclinical Viral Myocarditis. Immunity, 2017, 47, 974-989.e8.	6.6	50
42	Modulation of Mac-1 (CD11b/CD18)-Mediated Adhesion by the Leukocyte-Specific Protein 1 Is Key to Its Role in Neutrophil Polarization and Chemotaxis. Journal of Immunology, 2002, 169, 415-423.	0.4	49
43	Resident intimal dendritic cells and the initiation of atherosclerosis. Current Opinion in Lipidology, 2010, 21, 397-403.	1.2	47
44	Detecting rapid and transient upregulation of leukocyte integrin affinity induced by chemokines and chemoattractants. Journal of Immunological Methods, 2003, 273, 43-52.	0.6	46
45	Vascular Cell Adhesion Molecule-1 Augments Adenovirus-Mediated Gene Transfer. Arteriosclerosis, Thrombosis, and Vascular Biology, 2001, 21, 238-242.	1.1	43
46	Vascular cell adhesion molecule-1 expression by hematopoiesis-supporting stromal cells is not essential for lymphoid or myeloid differentiation in vivo or in vitro. European Journal of Immunology, 1996, 26, 2773-2780.	1.6	42
47	Oxidized Low-Density Lipoprotein Loading of Macrophages Downregulates TLR-Induced Proinflammatory Responses in a Gene-Specific and Temporal Manner through Transcriptional Control. Journal of Immunology, 2017, 199, 2149-2157.	0.4	40
48	Leukocyte adhesion molecules in atherogenesis. Clinica Chimica Acta, 1999, 286, 207-218.	0.5	38
49	Tracking of leukocyte recruitment into tissues of mice by in situ labeling of blood cells with the fluorescent dye CFDA SE. Journal of Immunological Methods, 2004, 286, 69-78.	0.6	38
50	Actin polymerization stabilizes $\alpha 4 \beta 2$ integrin anchors that mediate monocyte adhesion. Journal of Cell Biology, 2012, 197, 115-129.	2.3	37
51	Talin-1 and Kindlin-3 Regulate $\alpha 4 \beta 2$ Integrin-Mediated Adhesion Stabilization, but Not G Protein-Coupled Receptor-Induced Affinity Upregulation. Journal of Immunology, 2011, 187, 4360-4368.	0.4	36
52	GEF-H1 is necessary for neutrophil shear stress-induced migration during inflammation. Journal of Cell Biology, 2016, 215, 107-119.	2.3	36
53	$\alpha 1 \beta 2$ Integrin-Mediated Adhesion Inhibits Macrophage Exit from a Peripheral Inflammatory Lesion. Journal of Immunology, 2013, 190, 4305-4314.	0.4	35
54	Differential Role of an NF- κ B Transcriptional Response Element in Endothelial Versus Intimal Cell VCAM-1 Expression. Circulation Research, 2015, 117, 166-177.	2.0	35

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55	Structure of the Murine VCAM1 Gene. <i>Genomics</i> , 1993, 18, 387-391.	1.3	34
56	CCL19-CCR7-dependent reverse transendothelial migration of myeloid cells clears <i>Chlamydia muridarum</i> from the arterial intima. <i>Nature Immunology</i> , 2016, 17, 1263-1272.	7.0	34
57	Anti-Inflammatory Actions of Soluble Ninjurin-1 Ameliorate Atherosclerosis. <i>Circulation</i> , 2020, 142, 1736-1751.	1.6	34
58	Aortic Regurgitation Dramatically Alters the Distribution of Atherosclerotic Lesions and Enhances Atherogenesis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1181-1188.	1.1	32
59	Immunoselective Targeting of an Anti-Thrombin Agent to the Surface of Cytokine-Activated Vascular Endothelial Cells. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995, 15, 1211-1218.	1.1	32
60	The fractalkine receptor CX3CR1 is a key mediator of atherogenesis. <i>Journal of Clinical Investigation</i> , 2003, 111, 1118-1120.	3.9	31
61	Paxillin selectively associates with constitutive and chemoattractant-induced high-affinity β_2 integrins: implications for integrin signaling. <i>Blood</i> , 2004, 104, 2818-2824.	0.6	29
62	Neutrophil Emigration and Microvascular Injury. <i>Pathology and Immunopathology Research</i> , 1987, 6, 153-176.	0.8	27
63	Expression of VCAM-1 in rabbit iliac arteries is associated with vasodilator dysfunction of regenerated endothelium following balloon injury. <i>Atherosclerosis</i> , 1996, 122, 59-67.	0.4	26
64	Increased oxidative stress in atherosclerosis-predisposed regions of the mouse aorta. <i>Life Sciences</i> , 2010, 87, 100-110.	2.0	26
65	Monocyte Adhesion to Xenogeneic Endothelium during Laminar Flow Is Dependent on β_2 -Gal-Mediated Monocyte Activation. <i>Journal of Immunology</i> , 2005, 174, 8072-8081.	0.4	25
66	Effect of Disturbed Blood Flow on Endothelial Cell Gene Expression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2014, 34, 1806-1808.	1.1	25
67	β_4 Integrin Signaling Activates Phosphatidylinositol 3-Kinase and Stimulates T Cell Adhesion to Intercellular Adhesion Molecule-1 to a Similar Extent As CD3, but Induces a Distinct Rearrangement of the Actin Cytoskeleton. <i>Journal of Immunology</i> , 2002, 168, 696-704.	0.4	24
68	Role of β_2 Integrins in Chemokine-Induced Monocyte Arrest under Conditions of Shear Stress. <i>Microcirculation</i> , 2009, 16, 17-30.	1.0	24
69	Taming endothelial activation with a microRNA. <i>Journal of Clinical Investigation</i> , 2012, 122, 1967-1970.	3.9	24
70	Colony stimulating factor-1 producing endothelial cells and mesenchymal stromal cells maintain monocytes within a perivascular bone marrow niche. <i>Immunity</i> , 2022, 55, 862-878.e8.	6.6	24
71	Characterization of fibrinogen-like protein 2 (FGL2): Monomeric FGL2 has enhanced immunosuppressive activity in comparison to oligomeric FGL2. <i>International Journal of Biochemistry and Cell Biology</i> , 2013, 45, 408-418.	1.2	23
72	Comparison of SARS-CoV-2 indirect and direct RT-qPCR detection methods. <i>Virology Journal</i> , 2021, 18, 99.	1.4	22

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73	Nucleotide sequence of rat vascular cell adhesion molecule-1 cDNA. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1131, 214-216.	2.4	21
74	The Neurorepellent Slit2 Inhibits Postadhesion Stabilization of Monocytes Tethered to Vascular Endothelial Cells. <i>Journal of Immunology</i> , 2015, 195, 3334-3344.	0.4	17
75	Role of myeloid-derived chemokine CCL5/RANTES at an early stage of atherosclerosis. <i>Journal of Molecular and Cellular Cardiology</i> , 2021, 156, 69-78.	0.9	17
76	Experimental Bacterial Pneumonia in Rabbits: Polymorphonuclear Leukocyte Margination and Sequestration in Rabbit Lungs and Quantitation and Kinetics of ⁵¹ Cr-Labeled Polymorphonuclear Leukocytes in E. coli-Induced Lung Lesions. <i>Experimental Lung Research</i> , 1982, 4, 47-66.	0.5	16
77	ApoE Attenuates Atherosclerosis via miR-146a. <i>Circulation Research</i> , 2015, 117, 3-6.	2.0	16
78	The 3' untranslated region of the Ste20-like kinase SLK regulates SLK expression. <i>American Journal of Physiology - Renal Physiology</i> , 2007, 292, F845-F852.	1.3	15
79	Endothelial-Leukocyte Adhesion Molecules in Acute Inflammation and Atherogenesis. , 1992, , 129-140.		14
80	Monocyte-Induced Endothelial Calcium Signaling Mediates Early Xenogeneic Endothelial Activation. <i>American Journal of Transplantation</i> , 2005, 5, 237-247.	2.6	13
81	Radiation Impacts Early Atherosclerosis by Suppressing Intimal LDL Accumulation. <i>Circulation Research</i> , 2021, 128, 530-543.	2.0	12
82	Epigenetic Heterogeneity and Mitotic Heritability Prime Endothelial Cell Gene Induction. <i>Journal of Immunology</i> , 2020, 204, 1173-1187.	0.4	12
83	Leukocyte recruitment to atherosclerotic lesions. <i>Canadian Journal of Cardiology</i> , 2004, 20 Suppl B, 24B-28B.	0.8	12
84	Nucleotide sequence of endothelin-1 cDNA from rabbit endothelial cells. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1992, 1129, 249-250.	2.4	11
85	Some characteristics of inflammation induced by muramyl dipeptide, endotoxin, and concanavalin A. <i>Inflammation</i> , 1987, 11, 1-11.	1.7	10
86	Identification of the Receptor for FGL2 and Implications for Susceptibility to Mouse Hepatitis Virus (MHV-3)-Induced Fulminant Hepatitis. <i>Advances in Experimental Medicine and Biology</i> , 2006, 581, 421-425.	0.8	9
87	Region-specific patterns of vascular remodelling occur early in atherosclerosis and without loss of smooth muscle cell markers. <i>Atherosclerosis</i> , 2008, 196, 617-623.	0.4	7
88	Morphing the Topography of Atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1887-1889.	1.1	6
89	Detection of High-Affinity $\alpha 4$ -Integrin Upon Leukocyte Stimulation by Chemoattractants or Chemokines. , 2004, 239, 261-268.		5
90	The Endothelium as a Hub for Cellular Communication in Atherogenesis: Is There Directionality to the Message?. <i>Frontiers in Cardiovascular Medicine</i> , 2022, 9, 888390.	1.1	5

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91	Variations in mass transfer to single endothelial cells. Biomechanics and Modeling in Mechanobiology, 2009, 8, 183-193.	1.4	4
92	Eicosapentaenoic Acid and Regression of Atherosclerotic Lesions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 1943-1945.	1.1	4
93	Macrophage Jak2 deficiency accelerates atherosclerosis through defects in cholesterol efflux. Communications Biology, 2022, 5, 132.	2.0	4
94	Role of Complement, Interleukin-1 and Tumor Necrosis Factor in a Local Shwartzman-Like Reaction. , 1987, , 69-78.		3
95	c-Myb Exacerbates Atherosclerosis through Regulation of Protective IgM-Producing Antibody-Secreting Cells. Cell Reports, 2019, 27, 2304-2312.e6.	2.9	3
96	Adventitial recruitment of Lyve-1 ^{hi} macrophages drives aortic aneurysm in an angiotensin-2-based murine model. Clinical Science, 2021, 135, 1295-1309.	1.8	3
97	Endothelium and the Initiation of Atherosclerosis. , 2007, , 1214-1225.		2
98	VCAM-1 and its functions in development and inflammatory diseases. , 2007, , 141-174.		2
99	Synergistic effects of hypercholesterolemia and balloon injury in inducing endothelial vasodilator dysfunction and macrophage recruitment. Journal of the American College of Cardiology, 1990, 15, A11.	1.2	1
100	Editorial: Cytohesin-1, on the tail of two integrins. Journal of Leukocyte Biology, 2011, 89, 807-809.	1.5	1
101	Application of ⁵¹ Cr-Labelled PMN Leukocytes in Quantitating PMN Kinetics in Systemic and Local Inflammatory Mediated Processes. Pathology and Immunopathology Research, 1983, 1, 208-228.	0.8	0
102	Mediation by Interleukin-1 of Neutrophil Leukocyte Emigration Induced by Endotoxin1. , 1987, , 38-50.		0
103	Proposal of Terminology for the Description of Leukocyte Events during Acute Inflammation. , 1987, , 181-182.		0
104	PAXILLIN SELECTIVELY ASSOCIATES WITH HIGH AFFINITY $\alpha 4 \beta 1$ INTEGRINS: IMPLICATIONS FOR INTEGRIN SIGNALING. Cardiovascular Pathology, 2004, 13, 6.	0.7	0
105	Cheolho Cheong (1974–2016). Cell Metabolism, 2016, 24, 187-188.	7.2	0
106	VCAM-1 and Its Ligands. , 2001, , 263-284.		0
107	Calcineurin, a serine/threonine phosphatase, is required for GPCR-triggered association of paxillin, a cytoplasmic adapter protein, with high affinity $\alpha 4 \beta 1$ integrins in U937 cells. FASEB Journal, 2007, 21, A126.	0.2	0
108	Talin mediates monocyte $\alpha 4 \beta 1$ integrin-mediated migration, but not chemokine-triggered $\alpha 4 \beta 1$ affinity up-regulation or adhesion. FASEB Journal, 2009, 23, 360.8.	0.2	0

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109	Regional predisposition to atherosclerosis â€œ An interplay between local hemodynamics, endothelial cells and resident intimal dendritic cells. , 2010, , 175-188.		0
110	The Role of Adhesion Molecules and Intimal Dendritic Cells in the Initiation of Atherosclerosis. , 2012, , 115-131.		0
111	Actin polymerization stabilizes α 4 β 1 integrin anchors that mediate monocyte adhesion. Journal of Experimental Medicine, 2012, 209, i4-i4.	4.2	0
112	Phosphoinositide 3-kinase (PI3K) activation and actin dynamics within force sensing anchors are required to stabilize VLA α 4 integrin-mediated leukocyte adhesion. FASEB Journal, 2012, 26, 55.3.	0.2	0
113	Neutrophil Emigration. , 1988, , 41-56.		0
114	IL-1 and TNF: Mediators of LPS-Induced Neutrophil Emigration and Thrombosis. , 1990, , 602-616.		0