Roy L Silverstein

List of Publications by Year
in descending order

104	11,738	50276	60623
papers	citations	46 h-index	81 g-index

106	106	106	12445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Immature Dendritic Cells Phagocytose Apoptotic Cells via Î±vÎ²5 and CD36, and Cross-present Antigens to Cytotoxic T Lymphocytes. Journal of Experimental Medicine, 1998, 188, 1359-1368.	8.5	1,149
2	Signals leading to apoptosis-dependent inhibition of neovascularization by thrombospondin-1. Nature Medicine, 2000, 6, 41-48.	30.7	931
3	CD36, a Scavenger Receptor Involved in Immunity, Metabolism, Angiogenesis, and Behavior. Science Signaling, 2009, 2, re3.	3.6	862
4	Targeted disruption of the class B scavenger receptor CD36 protects against atherosclerotic lesion development in mice. Journal of Clinical Investigation, 2000, 105, 1049-1056.	8.2	861
5	A Null Mutation in Murine CD36 Reveals an Important Role in Fatty Acid and Lipoprotein Metabolism. Journal of Biological Chemistry, 1999, 274, 19055-19062.	3.4	680
6	Defective Uptake and Utilization of Long Chain Fatty Acids in Muscle and Adipose Tissues of CD36 Knockout Mice. Journal of Biological Chemistry, 2000, 275, 32523-32529.	3.4	586
7	A CD36-dependent signaling cascade is necessary for macrophage foam cell formation. Cell Metabolism, 2006, 4, 211-221.	16.2	425
8	Platelet CD36 links hyperlipidemia, oxidant stress and a prothrombotic phenotype. Nature Medicine, 2007, 13, 1086-1095.	30.7	420
9	Oxidized phosphatidylserineâ€“CD36 interactions play an essential role in macrophage-dependent phagocytosis of apoptotic cells. Journal of Experimental Medicine, 2006, 203, 2613-2625.	8.5	381
10	Macrophage scavenger receptor CD36 is the major receptor for LDL modified by monocyte-generated reactive nitrogen species. Journal of Clinical Investigation, 2000, 105, 1095-1108.	8.2	371
11	CD36-mediated metabolic adaptation supports regulatory T cell survival and function in tumors. Nature Immunology, 2020, 21, 298-308.	14.5	326
12	CD36 modulates migration of mouse and human macrophages in response to oxidized LDL and may contribute to macrophage trapping in the arterial intima. Journal of Clinical Investigation, 2009, 119, 136-45.	8.2	284
13	Induction of CD36 expression by oxidized LDL and IL-4 by a common signaling pathway dependent on protein kinase C and PPAR-Î³. Journal of Lipid Research, 2000, 41, 688-696.	4.2	221
14	Oxidized LDL Binds to CD36 on Human Monocyte-Derived Macrophages and Transfected Cell Lines. Arteriosclerosis, Thrombosis, and Vascular Biology, 1995, 15, 269-275.	2.4	210
15	Cancer Stem Cell-Specific Scavenger Receptor CD36 Drives Glioblastoma Progression. Stem Cells, 2014, 32, 1746-1758.	3.2	182
16	Activation of Rat Alveolar Macrophage-Derived Latent Transforming Growth Factor Î²-1 by Plasmin Requires Interaction with Thrombospondin-1 and its Cell Surface Receptor, CD36. American Journal of Pathology, 1999, 155, 841-851.	3.8	166
17	A CD36-dependent pathway enhances macrophage and adipose tissue inflammation and impairs insulin signalling. Cardiovascular Research, 2011, 89, 604-613.	3.8	158
18	A Specific CD36-Dependent Signaling Pathway Is Required for Platelet Activation by Oxidized Low-Density Lipoprotein. Circulation Research, 2008, 102, 1512-1519.	4.5	156

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19	Regulation of Monocyte CD36 and Thrombospondin-1 Expression by Soluble Mediators. Arteriosclerosis, Thrombosis, and Vascular Biology, 1996, 16, 1019-1025.	2.4	139
20	Differential Roles of CD36 and Î±vÎ²5 Integrin in Photoreceptor Phagocytosis by the Retinal Pigment Epithelium. Journal of Experimental Medicine, 2001, 194, 1289-1298.	8.5	138
21	Platelet CD36 mediates interactions with endothelial cellâ€“derived microparticles and contributes to thrombosis in mice. Journal of Clinical Investigation, 2008, 118, 1934-43.	8.2	134
22	Mechanisms of cell signaling by the scavenger receptor CD36: implications in atherosclerosis and thrombosis. Transactions of the American Clinical and Climatological Association, 2010, 121, 206-20.	0.5	126
23	Thrombospondin-1 modulates VEGF signaling via CD36 by recruiting SHP-1 to VEGFR2 complex in microvascular endothelial cells. Blood, 2013, 122, 1822-1832.	1.4	124
24	CD36 participates in a signaling pathway that regulates ROS formation in murine VSMCs. Journal of Clinical Investigation, 2010, 120, 3996-4006.	8.2	116
25	Mitochondrial Metabolic Reprogramming by CD36 Signaling Drives Macrophage Inflammatory Responses. Circulation Research, 2019, 125, 1087-1102.	4.5	114
26	Platelet-derived S100 family member myeloid-related protein-14 regulates thrombosis. Journal of Clinical Investigation, 2014, 124, 2160-2171.	8.2	112
27	CD36, a signaling receptor and fatty acid transporter that regulates immune cell metabolism and fate. Journal of Experimental Medicine, 2022, 219, .	8.5	105
28	Lipopolysaccharide Stimulates Platelets through an IL-1Î² Autocrine Loop. Journal of Immunology, 2013, 191, 5196-5203.	0.8	103
29	Inflammation, atherosclerosis, and arterial thrombosis: Role of the scavenger receptor CD36. Cleveland Clinic Journal of Medicine, 2009, 76, S27-S30.	1.3	98
30	Anticardiolipin IgG subclasses association of IgG2 with arterial and/or venous thrombosis. Arthritis and Rheumatism, 1997, 40, 1998-2006.	6.7	95
31	Advanced glycation end products induce a prothrombotic phenotype in mice via interaction with platelet CD36. Blood, 2012, 119, 6136-6144.	1.4	92
32	Platelet CD36 surface expression levels affect functional responses to oxidized LDL and are associated with inheritance of specific genetic polymorphisms. Blood, 2011, 117, 6355-6366.	1.4	90
33	CD36 and Na/K-ATPase-Î±1 Form a Proinflammatory Signaling Loop in Kidney. Hypertension, 2013, 61, 216-224.	2.7	84
34	Recombinant GST/CD36 Fusion Proteins Define a Thrombospondin Binding Domain. Journal of Biological Chemistry, 1995, 270, 2981-2986.	3.4	82
35	Venous thrombosis in the elderly: more questions than answers. Blood, 2007, 110, 3097-3101.	1.4	80
36	Ferric chloride-induced murine carotid arterial injury: A model of redox pathology. Redox Biology, 2013, 1, 50-55.	9.0	76

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37	A CD36 Synthetic Peptide Inhibits Bleomycin-Induced Pulmonary Inflammation and Connective Tissue Synthesis in the Rat. American Journal of Respiratory Cell and Molecular Biology, 2000, 23, 204-212.	2.9	73
38	Oxidized LDLâ€"bound CD36 recruits an Na ⁺ /K ⁺ -ATPaseâ€"Lyn complex in macrophages that promotes atherosclerosis. Science Signaling, 2015, 8, ra91.	3.6	73
39	Structural and functional characterization of the mouse fatty acid translocase promoter: activation during adipose differentiation. Biochemical Journal, 2001, 360, 305-312.	3.7	72
40	CD36 A critical anti angiogenic receptor. Frontiers in Bioscience - Landmark, 2003, 8, s874-882.	3.0	71
41	CD36 in Atherosclerosis: The Role of a Class B Macrophage Scavenger Receptor. Annals of the New York Academy of Sciences, 2000, 902, 128-133.	3.8	70
42	Platelet CD36 promotes thrombosis by activating redox sensor ERK5 in hyperlipidemic conditions. Blood, 2017, 129, 2917-2927.	1.4	64
43	CD36-Mediated Nonopsonic Phagocytosis of Erythrocytes Infected with Stage I and IIA Gametocytes of Plasmodium falciparum. Infection and Immunity, 2003, 71, 393-400.	2.2	61
44	Vav guanine nucleotide exchange factors link hyperlipidemia and a prothrombotic state. Blood, 2011, 117, 5744-5750.	1.4	60
45	Oxidized LDL/CD36 interaction induces loss of cell polarity and inhibits macrophage locomotion. Molecular Biology of the Cell, 2012, 23, 3057-3068.	2.1	58
46	Cell Adhesion Molecules: An Overview. Cancer Investigation, 1998, 16, 176-182.	1.3	50
47	Extracellular Vesicles Activate a CD36-Dependent Signaling Pathway to Inhibit Microvascular Endothelial Cell Migration and Tube Formation. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 534-544.	2.4	48
48	Lysophosphatidic acid suppresses endothelial cell CD36 expression and promotes angiogenesis via a PKD-1â€"dependent signaling pathway. Blood, 2011, 117, 6036-6045.	1.4	46
49	Platelet CD36 signaling through ERK5 promotes caspase-dependent procoagulant activity and fibrin deposition in vivo. Blood Advances, 2018, 2, 2848-2861.	5.2	44
50	CD9 Tetraspanin Interacts with CD36 on the Surface of Macrophages: A Possible Regulatory Influence on Uptake of Oxidized Low Density Lipoprotein. PLoS ONE, 2011, 6, e29092.	2.5	43
51	Molecular Basis of Antiangiogenic Thrombospondin-1 Type 1 Repeat Domain Interactions With CD36. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, 1655-1662.	2.4	41
52	LPA/PKD-1-FoxO1 Signaling Axis Mediates Endothelial Cell CD36 Transcriptional Repression and Proangiogenic and Proarteriogenic Reprogramming. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 1197-1208.	2.4	41
53	CD36 signaling in vascular redox stress. Free Radical Biology and Medicine, 2019, 136, 159-171.	2.9	39
54	Thymidine Phosphorylase Participates in Platelet Signaling and Promotes Thrombosis. Circulation Research, 2014, 115, 997-1006.	4.5	37

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55	Vav Protein Guanine Nucleotide Exchange Factor Regulates CD36 Protein-mediated Macrophage Foam Cell Formation via Calcium and Dynamin-dependent Processes. Journal of Biological Chemistry, 2011, 286, 36011-36019.	3.4	36
56	CD36 Enhances Vascular Smooth Muscle Cell Proliferation and Development of Neointimal Hyperplasia. Arteriosclerosis, Thrombosis, and Vascular Biology, 2019, 39, 263-275.	2.4	35
57	Engagement of the Lewis X Antigen (CD15) Results in Monocyte Activation. Blood, 1997, 89, 307-314.	1.4	33
58	The face of TSR revealed. Journal of Cell Biology, 2002, 159, 203-206.	5.2	33
59	Acrolein Impairs the Cholesterol Transport Functions of High Density Lipoproteins. PLoS ONE, 2015, 10, e0123138.	2.5	33
60	Type 2 scavenger receptor CD36 in platelet activation: the role of hyperlipemia and oxidative stress. Clinical Lipidology, 2009, 4, 767-779.	0.4	31
61	Diet-induced obesity links to ER positive breast cancer progression via LPA/PKD-1-CD36 signaling-mediated microvascular remodeling. Oncotarget, 2017, 8, 22550-22562.	1.8	29
62	CD36 Provides Host Protection AgainstKlebsiella pneumoniaeIntrapulmonary Infection by Enhancing Lipopolysaccharide Responsiveness and Macrophage Phagocytosis. Journal of Infectious Diseases, 2016, 214, 1865-1875.	4.0	28
63	Cardiotonic Steroids Stimulate Macrophage Inflammatory Responses Through a Pathway Involving CD36, TLR4, and Na/K-ATPase. Arteriosclerosis, Thrombosis, and Vascular Biology, 2017, 37, 1462-1469.	2.4	23
64	Targeting PIM1-Mediated Metabolism in Myeloid Suppressor Cells to Treat Cancer. Cancer Immunology Research, 2021, 9, 454-469.	3.4	23
65	Platelet CD36 Induces ERK5 Activation through a Redox-Regulated Signaling Pathway to Promote a Prothrombotic Phenotype. Blood, 2015, 126, 1033-1033.	1.4	23
66	Cysteine sulfenylation by CD36 signaling promotes arterial thrombosis in dyslipidemia. Blood Advances, 2020, 4, 4494-4507.	5.2	20
67	CD36 mediates binding of soluble thrombospondin-1 but not cell adhesion and haptotaxis on immobilized thrombospondin-1. Cell Biochemistry and Function, 1998, 16, 211-221.	2.9	17
68	The interface of inflammation and subclinical atherosclerosis in granulomatosis with polyangiitis (Wegener's): a preliminary study. Translational Research, 2015, 166, 366-374.	5.0	14
69	Hypertriglyceridemia during hospitalization independently associates with mortality in patients with COVID-19. Journal of Clinical Lipidology, 2021, 15, 724-731.	1.5	14
70	AMPK-deficiency forces metformin-challenged cancer cells to switch from carbohydrate metabolism to ketogenesis to support energy metabolism. Oncogene, 2021, 40, 5455-5467.	5.9	13
71	Hyper-Inflammation and Skin Destruction Mediated by Rosiglitazone Activation of Macrophages in IL-6 Deficiency. Journal of Investigative Dermatology, 2015, 135, 389-399.	0.7	12
72	CD36 and ERK5 link dyslipidemia to apoptotic-like platelet procoagulant function. Current Opinion in Hematology, 2019, 26, 357-365.	2.5	11

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73	Development of an arteriolar niche and self-renewal of breast cancer stem cells by lysophosphatidic acid/protein kinase D signaling. Communications Biology, 2021, 4, 780.	4.4	11
74	Oxidant-Induced Alterations in the Adipocyte Transcriptome: Role of the Na,K-ATPase Oxidant Amplification Loop. International Journal of Molecular Sciences, 2020, 21, 5923.	4.1	7
75	Oxidized Lipid Uptake by Scavenger Receptor CD36 (Cluster of Differentiation 36) Modulates Endothelial Surface Properties and May Contribute to Atherogenesis. Arteriosclerosis, Thrombosis, and Vascular Biology, 2018, 38, 4-5.	2.4	6
76	Atherothrombosis. Circulation, 2015, 132, 1860-1862.	1.6	5
77	Disabling the plateletâ€™s brakes to promote thrombosis. Blood, 2015, 125, 2591-2593.	1.4	4
78	In the Interest of Transparency. , 2019, 16, .		3
79	Teaching an old dog new tricks: potential antiatherothrombotic use for statins. Journal of Clinical Investigation, 2012, 122, 478-481.	8.2	2
80	Details of developing and implementing an intensive interdisciplinary care program for high need, high cost patients. Healthcare, 2021, 9, 100452.	1.3	1
81	Fetal and Maternal Thrombophilia Genes Cooperate to Influence Pregnancy Outcomes. , 2007, 4, .		1
82	The Correlation between Racial/Ethnic Groups, Thrombosis, and Mortality in Hospitalized Patients with COVID-19. Blood, 2021, 138, 3224-3224.	1.4	1
83	High Plasma Apolipoprotein(a) Concentration and Low Plasmin Tpa Enzymatic Activity in Hospitalized Patients with COVID-19. Blood, 2021, 138, 2095-2095.	1.4	1
84	Venous Thrombosis Makes News in Washington. , 2006, 3, .		0
85	Coordination of the Systemic Inflammatory Response by Brain-Spleen Communication. , 2006, 3, .		0
86	Blood Platelets: Nature's Own Targeted Therapeutic Delivery System. , 2006, 3, .		0
87	Angiogenesis and Inflammation Cross Paths at the Blood Vessel Wall. , 2006, 3, .		0
88	Absence of CD36 is Protective at Late Time Points in the apoE Knockout (KO), and Additional Absence of Scavenger Receptor A I/II (SRA) Provides no Added Benefit. FASEB Journal, 2006, 20, LB1.	0.5	0
89	Bcl-2 Proteins Control Platelet Life Span In Vivo: A Potential Target for New Approaches to Treat Thrombocytopenia. , 2007, 4, .		0
90	Receptors, Not Clots: Coagulation and Fibrinolytic Enzymes Modulate Stroke Outcome by Targeting Endothelial Cells, Not Cerebral Thrombi. , 2007, 4, .		0

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91	When Three Months May Not Be Enough - Evidence That a Subgroup of Patients With Venous Thrombosis Identified by Bio-marker Assay Benefits From Long-Term Oral Anticoagulation. , 2007, 4, .		0
92	Another Piece in the Antiphospholipid Antibody Syndrome Puzzle. , 2007, 4, .		0
93	Flossing May Prevent Plaque (of a Different Sort)!. , 2007, 4, .		0
94	CD36 Modulates Macrophage Spreading and Migration in response to oxidized LDL. FASEB Journal, 2008, 22, 174.11.	0.5	0
95	Physical interaction of CD36 with membrane associated proteins in mouse macrophage. FASEB Journal, 2008, 22, 902.4.	0.5	0
96	Revised PhRMA Code Goes into Effect: Sunshine or More of the Same?. , 2009, 6, .		0
97	CD36 Mediates a Proâ€inflammatory Signaling Loop in Fat and Contributes to Insulin Resistance. FASEB Journal, 2009, 23, 856.8.	0.5	0
98	Is Anybody in Washington Listening?. , 2011, 8, .		0
99	Activation of Vascular Cells by Microparticles and Other Danger Signals Via the CD36 Scavenger Receptor. Blood, 2011, 118, SCI-12-SCI-12.	1.4	0
100	Celebrating Our Strengths in 2019. , 2019, 16, .		0
101	Strength in Numbers: How ASH Plans for the Future. , 2019, 16, .		0
102	Global Thoughts Become Global Actions. , 2019, 16, .		0
103	Striking an Unwavering Balance. , 2019, 16, .		0
104	Teachers and Preachers of Quality Improvement. , 2019, 16, .		0