

Kevin Jon Williams

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.

80
papers

7,828
citations

44
h-index

86
g-index

86
ext. papers

8,506
ext. citations

9.5
avg, IF

6.02
L-index

#	Paper	IF	Citations
80	The response-to-retention hypothesis of early atherogenesis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1995 , 15, 551-61	9.4	1042
79	Subendothelial lipoprotein retention as the initiating process in atherosclerosis: update and therapeutic implications. <i>Circulation</i> , 2007 , 116, 1832-44	16.7	916
78	Recombinant HDL-like nanoparticles: a specific contrast agent for MRI of atherosclerotic plaques. <i>Journal of the American Chemical Society</i> , 2004 , 126, 16316-7	16.4	271
77	The response-to-retention hypothesis of atherogenesis reinforced. <i>Current Opinion in Lipidology</i> , 1998 , 9, 471-4	4.4	265
76	Secretory sphingomyelinase, a product of the acid sphingomyelinase gene, can hydrolyze atherogenic lipoproteins at neutral pH. Implications for atherosclerotic lesion development. <i>Journal of Biological Chemistry</i> , 1998 , 273, 2738-46	5.4	258
75	Rabbit aorta and human atherosclerotic lesions hydrolyze the sphingomyelin of retained low-density lipoprotein. Proposed role for arterial-wall sphingomyelinase in subendothelial retention and aggregation of atherogenic lipoproteins. <i>Journal of Clinical Investigation</i> , 1996 , 98, 1455-64	15.9	249
74	Zn ²⁺ -stimulated sphingomyelinase is secreted by many cell types and is a product of the acid sphingomyelinase gene. <i>Journal of Biological Chemistry</i> , 1996 , 271, 18431-6	5.4	234
73	The central role of arterial retention of cholesterol-rich apolipoprotein-B-containing lipoproteins in the pathogenesis of atherosclerosis: a triumph of simplicity. <i>Current Opinion in Lipidology</i> , 2016 , 27, 473-83	4.4	217
72	Lipid peroxidation and oxidant stress regulate hepatic apolipoprotein B degradation and VLDL production. <i>Journal of Clinical Investigation</i> , 2004 , 113, 1277-87	15.9	197
71	Human vascular endothelial cells are a rich and regulatable source of secretory sphingomyelinase. Implications for early atherogenesis and ceramide-mediated cell signaling. <i>Journal of Biological Chemistry</i> , 1998 , 273, 4081-8	5.4	196
70	The syndecan family of proteoglycans. Novel receptors mediating internalization of atherogenic lipoproteins in vitro. <i>Journal of Clinical Investigation</i> , 1997 , 100, 1611-22	15.9	195
69	The cellular trafficking and zinc dependence of secretory and lysosomal sphingomyelinase, two products of the acid sphingomyelinase gene. <i>Journal of Biological Chemistry</i> , 1998 , 273, 18250-9	5.4	187
68	Accelerated transfer of cholesteryl esters in dyslipidemic plasma. Role of cholesteryl ester transfer protein. <i>Journal of Clinical Investigation</i> , 1987 , 79, 1217-25	15.9	166
67	The triple threat to nascent apolipoprotein B. Evidence for multiple, distinct degradative pathways. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27855-63	5.4	156
66	Rapid regression of atherosclerosis: insights from the clinical and experimental literature. <i>Nature Clinical Practice Cardiovascular Medicine</i> , 2008 , 5, 91-102		143
65	Properties of a versatile nanoparticle platform contrast agent to image and characterize atherosclerotic plaques by magnetic resonance imaging. <i>Nano Letters</i> , 2006 , 6, 2220-4	11.5	142
64	Acute systemic inflammation up-regulates secretory sphingomyelinase in vivo: a possible link between inflammatory cytokines and atherogenesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2000 , 97, 8681-6	11.5	138

63	Molecular processes that handle -- and mishandle -- dietary lipids. <i>Journal of Clinical Investigation</i> , 2008 , 118, 3247-59	15.9	129
62	Acid sphingomyelinase promotes lipoprotein retention within early atheromata and accelerates lesion progression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008 , 28, 1723-30	9.4	110
61	Lipoprotein retention--and clues for atheroma regression. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 1536-40	9.4	108
60	Tobacco smoke induces the generation of procoagulant microvesicles from human monocytes/macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010 , 30, 1818-24	9.4	107
59	Cell-surface heparan sulfate proteoglycans: dynamic molecules mediating ligand catabolism. <i>Current Opinion in Lipidology</i> , 1997 , 8, 253-62	4.4	107
58	Presecretory oxidation, aggregation, and autophagic destruction of apoprotein-B: a pathway for late-stage quality control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 5862-7	11.5	103
57	Sphingomyelinase, an enzyme implicated in atherogenesis, is present in atherosclerotic lesions and binds to specific components of the subendothelial extracellular matrix. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1999 , 19, 2648-58	9.4	102
56	Intravenously administered lecithin liposomes: a synthetic antiatherogenic lipid particle. <i>Perspectives in Biology and Medicine</i> , 1984 , 27, 417-31	1.5	97
55	Cholesterol enrichment of human monocyte/macrophages induces surface exposure of phosphatidylserine and the release of biologically-active tissue factor-positive microvesicles. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2007 , 27, 430-5	9.4	96
54	Perlecan heparan sulfate proteoglycan: a novel receptor that mediates a distinct pathway for ligand catabolism. <i>Journal of Biological Chemistry</i> , 2000 , 275, 25742-50	5.4	93
53	Novel proteolytic microvesicles released from human macrophages after exposure to tobacco smoke. <i>American Journal of Pathology</i> , 2013 , 182, 1552-62	5.8	85
52	Phospholipid transfer protein deficiency impairs apolipoprotein-B secretion from hepatocytes by stimulating a proteolytic pathway through a relative deficiency of vitamin E and an increase in intracellular oxidants. <i>Journal of Biological Chemistry</i> , 2005 , 280, 18336-40	5.4	85
51	Human immunodeficiency virus type 1 enters primary human brain microvascular endothelial cells by a mechanism involving cell surface proteoglycans independent of lipid rafts. <i>Journal of Virology</i> , 2003 , 77, 12140-51	6.6	79
50	Adam's curse A future without men. <i>Journal of Clinical Investigation</i> , 2004 , 114, 870-870	15.9	78
49	Susceptibility of low-density lipoprotein particles to aggregate depends on particle lipidome, is modifiable, and associates with future cardiovascular deaths. <i>European Heart Journal</i> , 2018 , 39, 2562-2573	9.5	72
48	Platelet factor 4 binds to low-density lipoprotein receptors and disrupts the endocytic machinery, resulting in retention of low-density lipoprotein on the cell surface. <i>Blood</i> , 2002 , 99, 3613-22	2.2	69
47	Arterial wall chondroitin sulfate proteoglycans: diverse molecules with distinct roles in lipoprotein retention and atherogenesis. <i>Current Opinion in Lipidology</i> , 2001 , 12, 477-87	4.4	69
46	Recent insights into factors affecting remnant lipoprotein uptake. <i>Current Opinion in Lipidology</i> , 2010 , 21, 218-28	4.4	68

45	Decorin deficiency enhances progressive nephropathy in diabetic mice. <i>American Journal of Pathology</i> , 2007 , 171, 1441-50	5.8	68
44	Molecular mediators for raft-dependent endocytosis of syndecan-1, a highly conserved, multifunctional receptor. <i>Journal of Biological Chemistry</i> , 2013 , 288, 13988-13999	5.4	58
43	Cholesterol-induced membrane microvesicles as novel carriers of damage-associated molecular patterns: mechanisms of formation, action, and detoxification. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 2113-21	9.4	58
42	Lipoprotein lipase modulates net secretory output of apolipoprotein B in vitro. A possible pathophysiologic explanation for familial combined hyperlipidemia. <i>Journal of Clinical Investigation</i> , 1991 , 88, 1300-6	15.9	58
41	Microvesicles: potential markers and mediators of endothelial dysfunction. <i>Current Opinion in Endocrinology, Diabetes and Obesity</i> , 2012 , 19, 121-7	4	57
40	Imbalanced insulin action in chronic over nutrition: Clinical harm, molecular mechanisms, and a way forward. <i>Atherosclerosis</i> , 2016 , 247, 225-82	3.1	51
39	Atherosclerosis and inflammation. <i>Science</i> , 2002 , 297, 521-2	33.3	51
38	NOX4 pathway as a source of selective insulin resistance and responsiveness. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2012 , 32, 1236-45	9.4	44
37	Large versus small unilamellar vesicles mediate reverse cholesterol transport in vivo into two distinct hepatic metabolic pools. Implications for the treatment of atherosclerosis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 2132-9	9.4	44
36	Type 2 diabetes in mice induces hepatic overexpression of sulfatase 2, a novel factor that suppresses uptake of remnant lipoproteins. <i>Hepatology</i> , 2010 , 52, 1957-67	11.2	43
35	Remodeling and shuttling. Mechanisms for the synergistic effects between different acceptor particles in the mobilization of cellular cholesterol. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1997 , 17, 383-93	9.4	40
34	Translocation of Endogenous Danger Signal HMGB1 From Nucleus to Membrane Microvesicles in Macrophages. <i>Journal of Cellular Physiology</i> , 2016 , 231, 2319-26	7	37
33	Inhibition of hepatic sulfatase-2 in vivo: a novel strategy to correct diabetic dyslipidemia. <i>Hepatology</i> , 2012 , 55, 1746-53	11.2	36
32	Rapid restoration of normal endothelial functions in genetically hyperlipidemic mice by a synthetic mediator of reverse lipid transport. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2000 , 20, 1033-9	9.4	35
31	Creation of a mouse model for non-neurological (type B) Niemann-Pick disease by stable, low level expression of lysosomal sphingomyelinase in the absence of secretory sphingomyelinase: relationship between brain intra-lysosomal enzyme activity and central nervous system function. <i>Human Molecular Genetics</i> , 2000 , 9, 1967-76	5.6	35
30	HDL as a contrast agent for medical imaging. <i>Clinical Lipidology</i> , 2009 , 4, 493-500		34
29	Phospholipid liposomes acquire apolipoprotein E in atherogenic plasma and block cholesterol loading of cultured macrophages. <i>Journal of Clinical Investigation</i> , 1987 , 79, 1466-72	15.9	31
28	The role of pathway-selective insulin resistance and responsiveness in diabetic dyslipoproteinemia. <i>Current Opinion in Lipidology</i> , 2012 , 23, 334-44	4.4	30

27	Low density lipoprotein receptor-independent hepatic uptake of a synthetic, cholesterol-scavenging lipoprotein: implications for the treatment of receptor-deficient atherosclerosis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1988 , 85, 242-6	11.5	30
26	Insulin regulates the unfolded protein response in human adipose tissue. <i>Diabetes</i> , 2014 , 63, 912-22	0.9	28
25	Role of macrophage glycosaminoglycans in the cellular catabolism of oxidized LDL by macrophages. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 1998 , 18, 542-53	9.4	27
24	UVB irradiation alters cellular responses to cytokines: role in extracellular matrix gene expression. <i>Journal of Investigative Dermatology</i> , 1997 , 108, 290-4	4.3	26
23	Cellular and molecular mechanisms for rapid regression of atherosclerosis: from bench top to potentially achievable clinical goal. <i>Current Opinion in Lipidology</i> , 2007 , 18, 443-50	4.4	26
22	Loss of heparan N-sulfotransferase in diabetic liver: role of angiotensin II. <i>Diabetes</i> , 2005 , 54, 1116-22	0.9	24
21	Prothrombotic factors enhance heparin-induced thrombocytopenia and thrombosis in vivo in a mouse model. <i>Journal of Thrombosis and Haemostasis</i> , 2006 , 4, 2687-94	15.4	22
20	Biglycan deficiency: increased aortic aneurysm formation and lack of atheroprotection. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 75, 174-80	5.8	19
19	Autophagy of an oxidized, aggregated protein beyond the ER: a pathway for remarkably late-stage quality control. <i>Autophagy</i> , 2008 , 4, 721-3	10.2	19
18	Myofibroblast involvement in glycosaminoglycan synthesis and lipid retention during coronary repair. <i>Journal of Vascular Research</i> , 2000 , 37, 399-407	1.9	17
17	Novel Insights into How Overnutrition Disrupts the Hypothalamic Actions of Leptin. <i>Frontiers in Endocrinology</i> , 2018 , 9, 89	5.7	16
16	Suppression of Hepatic FLOT1 (Flotillin-1) by Type 2 Diabetes Mellitus Impairs the Disposal of Remnant Lipoproteins via Syndecan-1. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2018 , 38, 102-113	9.4	14
15	Decreased body fat, elevated plasma transforming growth factor- β levels, and impaired BMP4-like signaling in biglycan-deficient mice. <i>Connective Tissue Research</i> , 2013 , 54, 5-13	3.3	10
14	Macrophage cholesterol removal by triglyceride-phospholipid emulsions. <i>Biochemical and Biophysical Research Communications</i> , 1988 , 155, 709-13	3.4	10
13	Melanoma with in-frame deletion of MAP2K1: a distinct molecular subtype of cutaneous melanoma mutually exclusive from BRAF, NRAS, and NF1 mutations. <i>Modern Pathology</i> , 2020 , 33, 2397-2406	9.8	9
12	Pan-sarcoma genomic analysis of KMT2A rearrangements reveals distinct subtypes defined by YAP1-KMT2A-YAP1 and VIM-KMT2A fusions. <i>Modern Pathology</i> , 2020 , 33, 2307-2317	9.8	8
11	Some things just have to be done in vivo: GPIHBP1, caloric delivery, and the generation of remnant lipoproteins. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2009 , 29, 792-5	9.4	8
10	What does HDL do? A new mechanism to slow atherogenesis—but a new problem in type 2 diabetes mellitus. <i>Atherosclerosis</i> , 2012 , 225, 36-8	3.1	7

9	CYLD-mutant cylindroma-like basaloid carcinoma of the anus: a genetically and morphologically distinct class of HPV-related anal carcinoma. <i>Modern Pathology</i> , 2020 , 33, 2614-2625	9.8	5
8	Diabetes-Related Fracture Risk Is Different in African Americans Compared With Hispanics and Caucasians. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019 , 104, 5729-5736	5.6	5
7	An analysis of the resident match. <i>New England Journal of Medicine</i> , 1981 , 304, 1165-6	59.2	5
6	An oxide transport chain essential for balanced insulin action. <i>Atherosclerosis</i> , 2020 , 298, 42-51	3.1	3
5	Improving the NRMP board: why not direct representation? National Resident Matching Program. <i>Academic Medicine</i> , 1998 , 73, 623-4	3.9	2
4	Immunological and clinical heterogeneity in cutaneous lupus erythematosus. <i>British Journal of Dermatology</i> , 2021 , 185, 480-481	4	1
3	A randomized controlled trial of an innovative, user-friendly, interactive smartphone app-based lifestyle intervention for weight loss. <i>Obesity Science and Practice</i> , 2021 , 7, 555-568	2.6	0
2	Response to comment on Boden et al. Insulin regulates the unfolded protein response in human adipose tissue. <i>Diabetes</i> 2014;63:912-922. <i>Diabetes</i> , 2014 , 63, e2	0.9	
1	Guenter Boden, MD (1935-2015): A Pioneer in Human Studies of Nutrition and Obesity-And the Mystery of Insulin Resistance for Handling Glucose. <i>Diabetes Care</i> , 2020 , 43, 2910-2915	14.6	