Menno Hoekstra

List of Publications by Year
in descending order

98	4,730	117453	98622
papers	citations	34 h-index	67 g-index

99	99	99	5906
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Multivalent N-Acetylgalactosamine-Conjugated siRNA Localizes in Hepatocytes and Elicits Robust RNAi-Mediated Gene Silencing. Journal of the American Chemical Society, 2014, 136, 16958-16961.	6.6	825
2	Genetic Variant of the Scavenger Receptor BI in Humans. New England Journal of Medicine, 2011, 364, 136-145.	13.9	291
3	Differential Effects of Scavenger Receptor BI Deficiency on Lipid Metabolism in Cells of the Arterial Wall and in the Liver. Journal of Biological Chemistry, 2003, 278, 23699-23705.	1.6	207
4	The peripheral blood mononuclear cell microRNA signature of coronary artery disease. Biochemical and Biophysical Research Communications, 2010, 394, 792-797.	1.0	202
5	Macrophage ABCG1 Deletion Disrupts Lipid Homeostasis in Alveolar Macrophages and Moderately Influences Atherosclerotic Lesion Development in LDL Receptor-Deficient Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2295-2300.	1.1	190
6	Combined Deletion of Macrophage ABCA1 and ABCG1 Leads to Massive Lipid Accumulation in Tissue Macrophages and Distinct Atherosclerosis at Relatively Low Plasma Cholesterol Levels. Arteriosclerosis, Thrombosis, and Vascular Biology, 2008, 28, 258-264.	1.1	178
7	Specific Gene Expression of ATP-binding Cassette Transporters and Nuclear Hormone Receptors in Rat Liver Parenchymal, Endothelial, and Kupffer Cells. Journal of Biological Chemistry, 2003, 278, 25448-25453.	1.6	166
8	Scavenger receptor BI and ATP-binding cassette transporter A1 in reverse cholesterol transport and atherosclerosis. Current Opinion in Lipidology, 2005, 16, 307-315.	1.2	147
9	Scavenger receptor class B type I is solely responsible for the selective uptake of cholesteryl esters from HDL by the liver and the adrenals in mice. Journal of Lipid Research, 2004, 45, 2088-2095.	2.0	113
10	Regulation of cholesterol homeostasis in macrophages and consequences for atherosclerotic lesion development. FEBS Letters, 2006, 580, 5588-5596.	1.3	107
11	Coexistence of Foam Cells and Hypocholesterolemia in Mice Lacking the ABC Transporters A1 and G1. Circulation Research, 2008, 102, 113-120.	2.0	100
12	The expression level of non-alcoholic fatty liver disease-related gene PNPLA3 in hepatocytes is highly influenced by hepatic lipid status. Journal of Hepatology, 2010, 52, 244-251.	1.8	90
13	Fenofibrate increases HDL-cholesterol by reducing cholesteryl ester transfer protein expression. Journal of Lipid Research, 2007, 48, 1763-1771.	2.0	86
14	Scavenger receptor BI facilitates the metabolism of VLDL lipoproteins in vivo. Journal of Lipid Research, 2008, 49, 136-146.	2.0	81
15	Scavenger receptors: friend or foe in atherosclerosis?. Current Opinion in Lipidology, 2005, 16, 525-535.	1.2	79
16	Absence of HDL cholesteryl ester uptake in mice via SR-BI impairs an adequate adrenal glucocorticoid-mediated stress response to fasting. Journal of Lipid Research, 2008, 49, 738-745.	2.0	78
17	HDL cholesterol levels are an important factor for determining the lifespan of erythrocytes. Experimental Hematology, 2005, 33, 1309-1319.	0.2	76
18	Atorvastatin increases HDL cholesterol by reducing CETP expression in cholesterol-fed APOE*3-Leiden.CETP mice. Atherosclerosis, 2008, 197, 57-63.	0.4	76

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19	Total Body ABCG1 Expression Protects Against Early Atherosclerotic Lesion Development in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 594-599.	1.1	74
20	Scavenger receptor class B type I-mediated uptake of serum cholesterol is essential for optimal adrenal glucocorticoid production. Journal of Lipid Research, 2009, 50, 1039-1046.	2.0	67
21	Deletion of the High-Density Lipoprotein Receptor Scavenger Receptor BI in Mice Modulates Thrombosis Susceptibility and Indirectly Affects Platelet Function by Elevation of Plasma Free Cholesterol. Arteriosclerosis, Thrombosis, and Vascular Biology, 2011, 31, 34-42.	1.1	65
22	The effect of ABCG1 deficiency on atherosclerotic lesion development in LDL receptor knockout mice depends on the stage of atherogenesis. Atherosclerosis, 2012, 221, 41-47.	0.4	61
23	Enhanced Foam Cell Formation, Atherosclerotic Lesion Development, and Inflammation by Combined Deletion of ABCA1 and SR-BI in Bone Marrowâ€"Derived Cells in LDL Receptor Knockout Mice on Western-Type Diet. Circulation Research, 2010, 107, e20-31.	2.0	60
24	Plasma cholesteryl ester transfer protein is predominantly derived from Kupffer cells. Hepatology, 2015, 62, 1710-1722.	3.6	60
25	Increased Oxidative Stress in Scavenger Receptor BI Knockout Mice With Dysfunctional HDL. Arteriosclerosis, Thrombosis, and Vascular Biology, 2007, 27, 2413-2419.	1.1	56
26	SR-BI as target in atherosclerosis and cardiovascular disease - A comprehensive appraisal of the cellular functions of SR-BI in physiology and disease. Atherosclerosis, 2017, 258, 153-161.	0.4	53
27	Restoration of High-Density Lipoprotein Levels by Cholesteryl Ester Transfer Protein Expression in Scavenger Receptor Class B Type I (SR-BI) Knockout Mice Does Not Normalize Pathologies Associated With SR-BI Deficiency. Arteriosclerosis, Thrombosis, and Vascular Biology, 2010, 30, 1439-1445.	1.1	52
28	Nonalcoholic fatty liver disease is associated with an altered hepatocyte microRNA profile in LDL receptor knockout mice. Journal of Nutritional Biochemistry, 2012, 23, 622-628.	1.9	52
29	Scavenger receptor BI: a multi-purpose player in cholesterol and steroid metabolism. World Journal of Gastroenterology, 2010, 16, 5916-24.	1.4	50
30	Adenovirus-mediated hepatic overexpression of scavenger receptor class B type I accelerates chylomicron metabolism in C57BL/6J mice. Journal of Lipid Research, 2005, 46, 1172-1181.	2.0	47
31	Important Role for Bone Marrowâ€"Derived Cholesteryl Ester Transfer Protein in Lipoprotein Cholesterol Redistribution and Atherosclerotic Lesion Development in LDL Receptor Knockout Mice. Circulation Research, 2007, 100, 678-685.	2.0	47
32	High density lipoprotein as a source of cholesterol for adrenal steroidogenesis: a study in individuals with low plasma HDL-C. Journal of Lipid Research, 2013, 54, 1698-1704.	2.0	45
33	Activation of the Nuclear Receptor PXR Decreases Plasma LDL-Cholesterol Levels and Induces Hepatic Steatosis in LDL Receptor Knockout Mice. Molecular Pharmaceutics, 2009, 6, 182-189.	2.3	39
34	Role of the macrophage very-low-density lipoprotein receptor in atherosclerotic lesion development. Atherosclerosis, 2005, 183, 230-237.	0.4	38
35	Adrenal-Specific Scavenger Receptor BI Deficiency Induces Glucocorticoid Insufficiency and Lowers Plasma Very-Low-Density and Low-Density Lipoprotein Levels in Mice. Arteriosclerosis, Thrombosis, and Vascular Biology, 2013, 33, e39-46.	1.1	35
36	PXR agonism decreases plasma HDL levels in ApoEâŽ3-Leiden.CETP mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2009, 1791, 191-197.	1.2	33

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37	Hypocholesterolemia, foam cell accumulation, but no atherosclerosis in mice lacking ABC-transporter A1 and scavenger receptor BI. Atherosclerosis, 2011, 218, 314-322.	0.4	32
38	Diet induced regulation of genes involved in cholesterol metabolism in rat liver parenchymal and Kupffer cells. Journal of Hepatology, 2005, 42, 400-407.	1.8	31
39	Hepatic cell-specific ATP-binding cassette (ABC) transporter profiling identifies putative novel candidates for lipid homeostasis in mice. Atherosclerosis, 2008, 196, 650-658.	0.4	27
40	Plasma lipoproteins are required for both basal and stress-induced adrenal glucocorticoid synthesis and protection against endotoxemia in mice. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E1038-E1043.	1.8	27
41	Hepatocyte-specific ABCA1 transfer increases HDL cholesterol but impairs HDL function and accelerates atherosclerosis. Cardiovascular Research, 2010, 88, 376-385.	1.8	26
42	Nuclear receptor atlas of female mouse liver parenchymal, endothelial, and Kupffer cells. Physiological Genomics, 2013, 45, 268-275.	1.0	25
43	Microarray analysis indicates an important role for FABP5 and putative novel FABPs on a Western-type diet. Journal of Lipid Research, 2006, 47, 2198-2207.	2.0	24
44	Proteoglycan 4 regulates macrophage function without altering atherosclerotic lesion formation in a murine bone marrow-specific deletion model. Atherosclerosis, 2018, 274, 120-127.	0.4	24
45	Independent protective roles for macrophage Abcg1 and Apoe in the atherosclerotic lesion development. Atherosclerosis, 2009, 205, 420-426.	0.4	23
46	Adrenalectomy stimulates the formation of initial atherosclerotic lesions: Reversal by adrenal transplantation. Atherosclerosis, 2012, 221, 76-83.	0.4	21
47	Niacin reduces plasma CETP levels by diminishing liver macrophage content in CETP transgenic mice. Biochemical Pharmacology, 2012, 84, 821-829.	2.0	21
48	Rediscovering scavenger receptor type BI. Current Opinion in Lipidology, 2017, 28, 255-260.	1.2	20
49	Mouse Models of Disturbed HDL Metabolism. Handbook of Experimental Pharmacology, 2015, 224, 301-336.	0.9	19
50	LCAT deficiency in mice is associated with a diminished adrenal glucocorticoid function. Journal of Lipid Research, 2013, 54, 358-364.	2.0	18
51	Apolipoprotein Isoform E4 Does Not Increase Coronary Heart Disease Risk in Carriers of Low-Density Lipoprotein Receptor Mutations. Circulation: Cardiovascular Genetics, 2011, 4, 655-660.	5.1	17
52	FXR agonist GW4064 increases plasma glucocorticoid levels in C57BL/6 mice. Molecular and Cellular Endocrinology, 2012, 362, 69-75.	1.6	17
53	Elimination of macrophages drives LXR-induced regression both in initial and advanced stages of atherosclerotic lesion development. Biochemical Pharmacology, 2013, 86, 1594-1602.	2.0	16
54	Inhibition of protein arginine methyltransferase 3 activity selectively impairs liver X receptorâ€driven transcription of hepatic lipogenic genes in vivo. British Journal of Pharmacology, 2018, 175, 3175-3183.	2.7	16

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55	Proteoglycan 4 deficiency protects against glucose intolerance and fatty liver disease in diet-induced obese mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 494-501.	1.8	16
56	Glucocorticoids are active players and therapeutic targets in atherosclerotic cardiovascular disease. Molecular and Cellular Endocrinology, 2020, 504, 110728.	1.6	16
57	Augmented Atherogenesis in LDL Receptor Deficient Mice Lacking Both Macrophage ABCA1 and ApoE. PLoS ONE, 2011, 6, e26095.	1.1	15
58	Adrenocortical LDL receptor function negatively influences glucocorticoid output. Journal of Endocrinology, 2015, 226, 145-154.	1.2	15
59	Functionality of High-Density Lipoprotein as Antiatherosclerotic Therapeutic Target. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, e87-e94.	1.1	15
60	Genetic studies in mice and humans reveal new physiological roles for the high-density lipoprotein receptor scavenger receptor class B type I. Current Opinion in Lipidology, 2012, 23, 127-132.	1.2	13
61	Inhibiting Cholesterol Absorption During Lactation Programs Future Intestinal Absorption of Cholesterol in Adult Mice. Gastroenterology, 2017, 153, 382-385.e3.	0.6	13
62	Adrenal Function in Females with Low Plasma HDL-C Due to Mutations in ABCA1 and LCAT. PLoS ONE, 2014, 9, e90967.	1.1	12
63	Leukocytosis and Enhanced Susceptibility to Endotoxemia but Not Atherosclerosis in Adrenalectomized APOE Knockout Mice. PLoS ONE, 2013, 8, e80441.	1.1	11
64	HDL is redundant for adrenal steroidogenesis in LDLR knockout mice with a human-like lipoprotein profile. Journal of Lipid Research, 2016, 57, 631-637.	2.0	11
65	Endogenous glucocorticoids exacerbate cholestasis-associated liver injury and hypercholesterolemia in mice. Toxicology and Applied Pharmacology, 2016, 306, 1-7.	1.3	11
66	Hyperalphalipoproteinemic scavenger receptor BI knockout mice exhibit a disrupted epidermal lipid barrier. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158592.	1.2	10
67	SR-BI deficiency disassociates obesity from hepatic steatosis and glucose intolerance development in high fat diet-fed mice. Journal of Nutritional Biochemistry, 2021, 89, 108564.	1.9	10
68	LR11/SorLA links triglyceride-rich lipoproteins to risk of developing cardiovascular disease in FH patients. Atherosclerosis, 2015, 243, 429-437.	0.4	9
69	Simvastatin treatment aggravates the glucocorticoid insufficiency associated with hypocholesterolemia in mice. Atherosclerosis, 2017, 261, 99-104.	0.4	9
70	Inhibition of PRMT3 activity reduces hepatic steatosis without altering atherosclerosis susceptibility in apoE knockout mice. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2019, 1865, 1402-1409.	1.8	9
71	MicroRNA-499-5p: a therapeutic target in the context of cardiovascular disease. Annals of Translational Medicine, 2016, 4, 539-539.	0.7	9
72	Cholesterol 7Î±-Hydroxylase Deficiency in Mice on an APOE*3-Leiden Background Increases Hepatic ABCA1 mRNA Expression and HDL-Cholesterol. Arteriosclerosis, Thrombosis, and Vascular Biology, 2006, 26, 2724-2730.	1.1	8

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73	Prolactin receptor antagonism uncouples lipids from atherosclerosis susceptibility. Journal of Endocrinology, 2014, 222, 341-350.	1.2	8
74	Hypercholesterolemia in young adult APOE mice alters epidermal lipid composition and impairs barrier function. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 976-984.	1.2	8
75	Cholestasis-associated glucocorticoid overexposure does not increase atherogenesis. Journal of Endocrinology, 2019, 242, 1-12.	1.2	7
76	Total body proteoglycan 4 (Prg4) deficiency increases atherosclerosis susceptibility in apolipoprotein E knockout and low-density lipoprotein receptor knockout mice. Atherosclerosis, 2018, 278, 315-316.	0.4	6
77	Hematopoietic Stabilin-1 deficiency does not influence atherosclerosis susceptibility in LDL receptor knockout mice. Atherosclerosis, 2019, 281, 47-55.	0.4	6
78	Effects of pyrazole partial agonists on HCA₂â€mediated flushing and VLDLâ€triglyceride levels in mice. British Journal of Pharmacology, 2012, 167, 818-825.	2.7	5
79	Haloperidol inhibits the development of atherosclerotic lesions in <scp>LDL</scp> receptor knockout mice. British Journal of Pharmacology, 2015, 172, 2397-2405.	2.7	5
80	Hypercholesterolemia impairs megakaryopoiesis and platelet production in scavenger receptor BI knockout mice. Atherosclerosis, 2019, 282, 176-182.	0.4	5
81	Disruption of Phospholipid Transfer Proteinâ€“Mediated High-Density Lipoprotein Maturation Reduces Scavenger Receptor BI Deficiencyâ€“Driven Atherosclerosis Susceptibility Despite Unexpected Metabolic Complications. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 611-623.	1.1	5
82	HDL is essential for atherosclerotic lesion regression in Apoe knockout mice by bone marrow Apoe reconstitution. Atherosclerosis, 2018, 278, 240-249.	0.4	4
83	Impact of bone marrow ATP-binding cassette transporter A1 deficiency on atherogenesis is independent of the presence of the low-density lipoprotein receptor. Atherosclerosis, 2021, 319, 79-85.	0.4	4
84	Hematopoietic upstream stimulating factor 1 deficiency is associated with increased atherosclerosis susceptibility in LDL receptor knockout mice. Scientific Reports, 2021, 11, 16419.	1.6	4
85	Apolipoprotein A1 deficiency in mice primes bone marrow stem cells for T cell lymphopoiesis. Journal of Cell Science, 2022, 135, .	1.2	4
86	Is prolactin involved in the evolution of atherothrombotic disease?. Expert Review of Endocrinology and Metabolism, 2012, 7, 345-361.	1.2	3
87	ATP-binding cassette transporter G1 deficiency is associated with mild glucocorticoid insufficiency in mice. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2019, 1864, 443-451.	1.2	3
88	Identification of scavenger receptor BI as a potential screening candidate for congenital primary adrenal insufficiency in humans. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E102-E104.	1.8	3
89	Epidermal <scp>1â€</scp>Oâ€acylceramides appear with the establishment of the water permeability barrier in mice and are produced by maturating keratinocytes. Lipids, 2022, 57, 183-195.	0.7	3
90	VLDL/LDL serves as the primary source of cholesterol in the adrenal glucocorticoid response to food deprivation. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2020, 1865, 158682.	1.2	2

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91	Elimination of adrenocortical apolipoprotein E production does not impact glucocorticoid output in wild-type mice. Molecular and Cellular Endocrinology, 2019, 490, 21-27.	1.6	1
92	PRMT3 inhibitor SGC707 reduces triglyceride levels and induces pruritus in Western-type diet-fed LDL receptor knockout mice. Scientific Reports, 2022, 12, 483.	1.6	1
93	Atherosclerosis regression is associated with both infiltration of new leukocytes into the plaque and a shift in macrophage polarization towards a more migratory phenotype. Atherosclerosis, 2022, 356, 50-52.	0.4	1
94	Response to the Letter by Singh et al Regarding â€œApolipoprotein Isoform E4 Does Not Increase Coronary Heart Disease Risk in Carriers of Low-Density Lipoprotein Receptor Mutationsâ€• Circulation: Cardiovascular Genetics, 2012, 5, .	5.1	0
95	Letter by Hoekstra et al Regarding Article, â€œDeletion of Macrophage Low-Density Lipoprotein Receptor-Related Protein 1 (LRP1) Accelerates Atherosclerosis Regression and Increases C-C Chemokine Receptor Type 7 (CCR7) Expression in Plaque Macrophagesâ€• Circulation, 2019, 139, 1981-1982.	1.6	0
96	Probucol-induced hypocholesterolemia is not associated with exacerbated foam cell formation in ABCG1 knockout mice. Atherosclerosis, 2020, 296, 91-92.	0.4	0
97	Bone Marrow Ts65Dn Trisomy-Induced Changes in Platelet Functionality and Lymphocytopenia Do Not Impact Atherosclerosis Susceptibility in Mice. Journal of Cardiovascular Development and Disease, 2021, 8, 110.	0.8	0
98	Hypocholesterolemic phospholipid transfer protein knockout mice exhibit a normal glucocorticoid response to food deprivation.. American Journal of Translational Research (discontinued), 2022, 14, 1884-1891.	0.0	0