Vincent Walter Bloks

List of Publications by Year
in descending order

94 papers	7,479 citations	94415 37 h-index	53222 85 g-index
96 all docs	96 docs citations	96 times ranked	10593 citing authors

#	Article	IF	Citations
1	Transfer of Intestinal Microbiota From Lean Donors Increases Insulin Sensitivity in Individuals With Metabolic Syndrome. Gastroenterology, 2012, 143, 913-916.e7.	1.3	2,287
2	Stimulation of Lipogenesis by Pharmacological Activation of the Liver X Receptor Leads to Production of Large, Triglyceride-rich Very Low Density Lipoprotein Particles. Journal of Biological Chemistry, 2002, 277, 34182-34190.	3.4	420
3	Beyond intestinal soapâ€"bile acids in metabolic control. Nature Reviews Endocrinology, 2014, 10, 488-498.	9.6	354
4	24(S)-Hydroxycholesterol Participates in a Liver X Receptor-controlled Pathway in Astrocytes That Regulates Apolipoprotein E-mediated Cholesterol Efflux. Journal of Biological Chemistry, 2006, 281, 12799-12808.	3.4	204
5	In Utero Undernutrition in Male Mice Programs Liver Lipid Metabolism in the Second-Generation Offspring Involving Altered Lxra DNA Methylation. Cell Metabolism, 2014, 19, 941-951.	16.2	178
6	Regulation of Bile Acid Synthesis by the Nuclear Receptor Rev-erbÎ±. Gastroenterology, 2008, 135, 689-698.e5.	1.3	175
7	Increased Hepatobiliary and Fecal Cholesterol Excretion upon Activation of the Liver X Receptor Is Independent of ABCA1. Journal of Biological Chemistry, 2002, 277, 33870-33877.	3.4	174
8	Improved glycemic control with colesevelam treatment in patients with type 2 diabetes is not directly associated with changes in bile acid metabolism. Hepatology, 2010, 52, 1455-1464.	7.3	163
9	Impaired secretion of very low density lipoprotein-triglycerides by apolipoprotein E- deficient mouse hepatocytes.. Journal of Clinical Investigation, 1997, 100, 2915-2922.	8.2	154
10	Peroxisome proliferator-activated receptor alpha (PPARalpha)-mediated regulation of multidrug resistance 2 (Mdr2) expression and function in mice. Biochemical Journal, 2003, 369, 539-547.	3.7	150
11	Malnutrition-associated liver steatosis and ATP depletion is caused by peroxisomal and mitochondrial dysfunction. Journal of Hepatology, 2016, 65, 1198-1208.	3.7	133
12	The liver X-receptor gene promoter is hypermethylated in a mouse model of prenatal protein restriction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2010, 298, R275-R282.	1.8	131
13	Sitosterolemia in ABC-Transporter G5-deficient mice is aggravated on activation of the liver-X receptor. Gastroenterology, 2004, 126, 290-300.	1.3	130
14	Hepatobiliary cholesterol transport is not impaired in Abca1-null mice lacking HDL. Journal of Clinical Investigation, 2001, 108, 843-850.	8.2	127
15	Transintestinal Cholesterol Transport Is Active in Mice and Humans and Controls Ezetimibe-Induced Fecal Neutral Sterol Excretion. Cell Metabolism, 2016, 24, 783-794.	16.2	119
16	Liver X receptor activation restores memory in aged AD mice without reducing amyloid. Neurobiology of Aging, 2011, 32, 1262-1272.	3.1	118
17	Apolipoprotein E Participates in the Regulation of Very Low Density Lipoprotein-Triglyceride Secretion by the Liver. Journal of Biological Chemistry, 1999, 274, 35711-35718.	3.4	115
18	Intestinal Farnesoid X Receptor Controls Transintestinal Cholesterol Excretion in Mice. Gastroenterology, 2017, 152, 1126-1138.e6.	1.3	109

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19	Statins increase hepatic cholesterol synthesis and stimulate fecal cholesterol elimination in mice. Journal of Lipid Research, 2016, 57, 1455-1464.	4.2	102
20	Hypoxia and Complement-and-Coagulation Pathways in the Deceased Organ Donor as the Major Target for Intervention to Improve Renal Allograft Outcome. Transplantation, 2015, 99, 1293-1300.	1.0	99
21	A human-like bile acid pool induced by deletion of hepatic Cyp2c70 modulates effects of FXR activation in mice. Journal of Lipid Research, 2020, 61, 291-305.	4.2	93
22	Biliary fibrosis associated with altered bile composition in a mouse model of erythropoietic protoporphyria. Gastroenterology, 1999, 117, 696-705.	1.3	91
23	Reduction of Cholesterol Absorption by Dietary Plant Sterols and Stanols in Mice Is Independent of the Abcg5/8 Transporter. Journal of Nutrition, 2006, 136, 2135-2140.	2.9	80
24	Maternal western diet primes nonâ€alcoholic fatty liver disease in adult mouse offspring. Acta Physiologica, 2014, 210, 215-227.	3.8	80
25	Induction of hepatic ABC transporter expression is part of the PPARÎ±â€“mediated fasting response in the mouse. Gastroenterology, 2003, 124, 160-171.	1.3	79
26	Differential effects of streptozotocin-induced diabetes on expression of hepatic ABC-transporters in rats. Gastroenterology, 2002, 122, 1842-1852.	1.3	67
27	3-hydroxy-3-methylglutarylâ€“coenzyme a reductase inhibitors (statins) induce hepatic expression of the phospholipid translocase mdr2 in rats. Gastroenterology, 1999, 117, 678-687.	1.3	61
28	Down-regulation of hepatic and intestinal Abcg5 and Abcg8 expression associated with altered sterol fluxes in rats with streptozotocin-induced diabetes. Diabetologia, 2004, 47, 104-112.	6.3	61
29	A novel approach to monitor glucose metabolism using stable isotopically labelled glucose in longitudinal studies in mice. Laboratory Animals, 2013, 47, 79-88.	1.0	57
30	New insights in the multiple roles of bile acids and their signaling pathways in metabolic control. Current Opinion in Lipidology, 2018, 29, 194-202.	2.7	57
31	Genetic and Microbial Associations to Plasma and Fecal Bile Acids in Obesity Relate to Plasma Lipids and Liver Fat Content. Cell Reports, 2020, 33, 108212.	6.4	55
32	An Increased Flux through the Glucose 6-Phosphate Pool in Enterocytes Delays Glucose Absorption in Fxrâ€“/â€“ Mice. Journal of Biological Chemistry, 2009, 284, 10315-10323.	3.4	51
33	Liver receptor homologâ€1 is critical for adequate upâ€regulation of Cyp7a1 gene transcription and bile salt synthesis during bile salt sequestration. Hepatology, 2011, 53, 2075-2085.	7.3	48
34	Abcg5/Abcg8-independent pathways contribute to hepatobiliary cholesterol secretion in mice. American Journal of Physiology - Renal Physiology, 2006, 291, G414-G423.	3.4	47
35	Characterization of gut microbial structural variations as determinants of human bile acid metabolism. Cell Host and Microbe, 2021, 29, 1802-1814.e5.	11.0	43
36	Plant Sterols Cause Macrothrombocytopenia in a Mouse Model of Sitosterolemia. Journal of Biological Chemistry, 2008, 283, 6281-6287.	3.4	40

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37	Essential fatty acid deficiency in mice is associated with hepatic steatosis and secretion of large VLDL particles. American Journal of Physiology - Renal Physiology, 2005, 288, G1150-G1158.	3.4	38
38	Cerebral Accumulation of Dietary Derivable Plant Sterols does not Interfere with Memory and Anxiety Related Behavior in Abcg5â^'/â^' Mice. Plant Foods for Human Nutrition, 2011, 66, 149-156.	3.2	38
39	Clinical symptoms of right ventricular failure in experimental chronic pressure load are associated with progressive diastolic dysfunction. Journal of Molecular and Cellular Cardiology, 2015, 79, 244-253.	1.9	38
40	Hyperlipidemia and atherosclerosis associated with liver disease in ferrochelatase-deficient mice. Journal of Lipid Research, 2001, 42, 41-50.	4.2	37
41	Gene expression profiling in livers of mice after acute inhibition of Î²-oxidation. Genomics, 2007, 90, 680-689.	2.9	36
42	Disturbed hepatic carbohydrate management during high metabolic demand in medium-chain acyl-CoA dehydrogenase (MCAD)-deficient mice. Hepatology, 2008, 47, 1894-1904.	7.3	36
43	Cholesterol feeding strongly reduces hepatic VLDL-triglyceride production in mice lacking the liver X receptor Î±. Journal of Lipid Research, 2007, 48, 337-347.	4.2	35
44	Cross-talk between liver and intestine in control of cholesterol and energy homeostasis. Molecular Aspects of Medicine, 2014, 37, 77-88.	6.4	34
45	Hepatic Carbohydrate Response Element Binding Protein Activation Limits Nonalcoholic Fatty Liver Disease Development in a Mouse Model for Glycogen Storage Disease Type 1a. Hepatology, 2020, 72, 1638-1653.	7.3	34
46	LxrÎ± Deficiency Hampers the Hepatic Adaptive Response to Fasting in Mice. Journal of Biological Chemistry, 2008, 283, 25437-25445.	3.4	33
47	Alterations in Brain Cholesterol Metabolism in the APPSLxPS1mut mouse, a Model for Alzheimer's Disease. Journal of Alzheimer's Disease, 2010, 19, 117-127.	2.6	32
48	Intestinal PPARÎ´ protects against diet-induced obesity, insulin resistance and dyslipidemia. Scientific Reports, 2017, 7, 846.	3.3	32
49	Cholangiopathy and Biliary Fibrosis in Cyp2c70-Deficient Mice Are Fully Reversed by Ursodeoxycholic Acid. Cellular and Molecular Gastroenterology and Hepatology, 2021, 11, 1045-1069.	4.5	31
50	Hepatic Farnesoid X-Receptor Isoforms Î±2 and Î±4 Differentially Modulate Bile Salt and Lipoprotein Metabolism in Mice. PLoS ONE, 2014, 9, e115028.	2.5	30
51	Hepatic lipid accumulation, altered very low density lipoprotein formation and apolipoprotein E deposition in apolipoprotein E3-Leiden transgenic mice. Journal of Hepatology, 2000, 33, 189-198.	3.7	28
52	The hepatocyte IKK:NF-ÎºB axis promotes liver steatosis by stimulating de novo lipogenesis and cholesterol synthesis. Molecular Metabolism, 2021, 54, 101349.	6.5	28
53	Epigenome-wide association study of incident type 2 diabetes: a meta-analysis of five prospective European cohorts. Diabetologia, 2022, 65, 763-776.	6.3	28
54	Fat malabsorption in essential fatty acid-deficient mice is not due to impaired bile formation. American Journal of Physiology - Renal Physiology, 2002, 283, G900-G908.	3.4	25

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55	The effects of bariatric surgery on clinical profile, DNA methylation, and ageing in severely obese patients. Clinical Epigenetics, 2020, 12, 14.	4.1	23
56	MdrP-glycoproteins are not essential for biliary excretion of the hydrophobic heme precursor protoporphyrin in a griseofulvin-induced mouse model of erythropoietic protoporphyria. Hepatology, 2002, 35, 299-306.	7.3	21
57	Rosuvastatin Reduces Plasma Lipids by Inhibiting VLDL Production and Enhancing Hepatobiliary Lipid Excretion in ApoE*3-Leiden Mice. Journal of Cardiovascular Pharmacology, 2005, 45, 53-60.	1.9	21
58	Secretory phospholipase A2 increases SR-BI-mediated selective uptake from HDL but not biliary cholesterol secretion. Journal of Lipid Research, 2008, 49, 563-571.	4.2	21
59	Chronic Prednisolone Treatment Reduces Hepatic Insulin Sensitivity while Perturbing the Fed-to-Fasting Transition in Mice. Endocrinology, 2010, 151, 2171-2178.	2.8	21
60	Glucoseâ€6â€Phosphate Regulates Hepatic Bile Acid Synthesis in Mice. Hepatology, 2019, 70, 2171-2184.	7.3	21
61	An epigenome-wide association study identifies multiple DNA methylation markers of exposure to endocrine disruptors. Environment International, 2020, 144, 106016.	10.0	21
62	Bile acid sequestration normalizes plasma cholesterol and reduces atherosclerosis in hypercholesterolemic mice. No additional effect of physical activity. Atherosclerosis, 2013, 228, 117-123.	0.8	19
63	Male apoE*3-Leiden.CETP mice on high-fat high-cholesterol diet exhibit a biphasic dyslipidemic response, mimicking the changes in plasma lipids observed through life in men. Physiological Reports, 2017, 5, e13376.	1.7	19
64	Epigenetic programming at the Mogat1 locus may link neonatal overnutrition with longâ€term hepatic steatosis and insulin resistance. FASEB Journal, 2018, 32, 6025-6037.	0.5	19
65	FXR overexpression alters adipose tissue architecture in mice and limits its storage capacity leading to metabolic derangements. Journal of Lipid Research, 2019, 60, 1547-1561.	4.2	19
66	Shortâ€term protein restriction at advanced age stimulates FGF21 signalling, energy expenditure and browning of white adipose tissue. FEBS Journal, 2021, 288, 2257-2277.	4.7	18
67	The phosphatidylethanolamine N-methyltransferase pathway is quantitatively not essential for biliary phosphatidylcholine secretion. Journal of Lipid Research, 2007, 48, 2058-2064.	4.2	16
68	HSPA6 is an ulcerative colitis susceptibility factor that is induced by cigarette smoke and protects intestinal epithelial cells by stabilizing anti-apoptotic Bcl-XL. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2016, 1862, 788-796.	3.8	16
69	Potential of Intestine-Selective FXR Modulation for Treatment of Metabolic Disease. Handbook of Experimental Pharmacology, 2019, 256, 207-234.	1.8	16
70	Sex-Dependent Programming of Glucose and Fatty Acid Metabolism in Mouse Offspring by Maternal Protein Restriction. Gender Medicine, 2012, 9, 166-179.e13.	1.4	15
71	Hypertrophy induced KIF5B controls mitochondrial localization and function in neonatal rat cardiomyocytes. Journal of Molecular and Cellular Cardiology, 2016, 97, 70-81.	1.9	15
72	Postnatal Treatment With Dexamethasone Perturbs Hepatic and Cardiac Energy Metabolism and Is Associated With a Sustained Atherogenic Plasma Lipid Profile in Suckling Rats. Pediatric Research, 2007, 61, 165-170.	2.3	13

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73	Neonatal dexamethasone administration causes progressive renal damage due to induction of an early inflammatory response. American Journal of Physiology - Renal Physiology, 2008, 294, F768-F776.	2.7	12
74	Potential of therapeutic bile acids in the treatment of neonatal Hyperbilirubinemia. Scientific Reports, 2021, 11, 11107.	3.3	12
75	Chronic Prednisolone Treatment Aggravates Hyperglycemia in Mice Fed a High-Fat Diet but Does Not Worsen Dietary Fat-Induced Insulin Resistance. Endocrinology, 2012, 153, 3713-3723.	2.8	11
76	The role of transhepatic bile salt flux in the control of hepatic secretion of triacylglycerol-rich lipoproteins in vivo in rodents. Biochimica Et Biophysica Acta - General Subjects, 2002, 1573, 9-20.	2.4	9
77	Metabolic responses to long-term pharmacological inhibition of CB1-receptor activity in mice in relation to dietary fat composition. International Journal of Obesity, 2010, 34, 374-384.	3.4	9
78	Low production of 12Î±-hydroxylated bile acids prevents hepatic steatosis in Cyp2c70â^'/â^' mice by reducing fat absorption. Journal of Lipid Research, 2021, 62, 100134.	4.2	9
79	An early-life diet containing large phospholipid-coated lipid globules programmes later-life postabsorptive lipid trafficking in high-fat diet- but not in low-fat diet-fed mice. British Journal of Nutrition, 2021, 125, 961-971.	2.3	8
80	Milk cholesterol concentration in mice is not affected by high cholesterol diet- or genetically-induced hypercholesterolaemia. Scientific Reports, 2018, 8, 8824.	3.3	7
81	Mice with a deficiency in Peroxisomal Membrane Protein 4 (PXMP4) display mild changes in hepatic lipid metabolism. Scientific Reports, 2022, 12, 2512.	3.3	7
82	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. PLoS ONE, 2020, 15, e0232069.	2.5	6
83	Two time-point assessment of bile acid kinetics in humans using stable isotopes. Isotopes in Environmental and Health Studies, 2010, 46, 325-336.	1.0	3
84	Resistance to diet-induced adiposity in cannabinoid receptor-1 deficient mice is not due to impaired adipocyte function. Nutrition and Metabolism, 2011, 8, 93.	3.0	3
85	Transcriptome analysis suggests a compensatory role of the cofactors coenzyme A and NAD+ in medium-chain acyl-CoA dehydrogenase knockout mice. Scientific Reports, 2019, 9, 14539.	3.3	3
86	Sitosterolemia in ABCG5-Null mice is aggrevated upon activation of the liver X-receptor. Gastroenterology, 2003, 124, A727.	1.3	0
87	Reply to: â€œImpaired expression of multidrug resistanceâ€“associated protein 2 and liver damage in erythropoietic protoporphyriaâ€• Hepatology, 2016, 63, 1743-1744.	7.3	0
88	Regulation of sterol transport in mouse enterocytes by the Liver-X-Receptor LXR. , 0, 2004, .		0
89	Chronic Prednisolone Treatment Reduces Hepatic Insulin Sensitivity while Perturbing the Fed-to-Fasting Transition in Mice. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 1477-1477.	3.6	0
90	Response to Spontaneous Cholemia in C57BL/6 Mice Predisposes to Liver Cancer in NASH. Cellular and Molecular Gastroenterology and Hepatology, 2022, 13, 1590.	4.5	0

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91	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
92	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
93	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0
94	Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet. , 2020, 15, e0232069.		0