

Vincent Walter Bloks

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.

91
papers

5,901
citations

34
h-index

76
g-index

96
ext. papers

6,754
ext. citations

6.8
avg, IF

5.04
L-index

#	Paper	IF	Citations
91	Transfer of intestinal microbiota from lean donors increases insulin sensitivity in individuals with metabolic syndrome. <i>Gastroenterology</i> , 2012 , 143, 913-6.e7	13.3	1766
90	Stimulation of lipogenesis by pharmacological activation of the liver X receptor leads to production of large, triglyceride-rich very low density lipoprotein particles. <i>Journal of Biological Chemistry</i> , 2002 , 277, 34182-90	5.4	380
89	Beyond intestinal soap--bile acids in metabolic control. <i>Nature Reviews Endocrinology</i> , 2014 , 10, 488-98	15.2	280
88	24(S)-hydroxycholesterol participates in a liver X receptor-controlled pathway in astrocytes that regulates apolipoprotein E-mediated cholesterol efflux. <i>Journal of Biological Chemistry</i> , 2006 , 281, 12799-808	5.4	166
87	Regulation of bile acid synthesis by the nuclear receptor Rev-erbalpha. <i>Gastroenterology</i> , 2008 , 135, 689-98	9.3	156
86	Increased hepatobiliary and fecal cholesterol excretion upon activation of the liver X receptor is independent of ABCA1. <i>Journal of Biological Chemistry</i> , 2002 , 277, 33870-7	5.4	153
85	Peroxisome proliferator-activated receptor alpha (PPARalpha)-mediated regulation of multidrug resistance 2 (Mdr2) expression and function in mice. <i>Biochemical Journal</i> , 2003 , 369, 539-47	3.8	141
84	Improved glycemic control with colesevelam treatment in patients with type 2 diabetes is not directly associated with changes in bile acid metabolism. <i>Hepatology</i> , 2010 , 52, 1455-64	11.2	140
83	Impaired secretion of very low density lipoprotein-triglycerides by apolipoprotein E- deficient mouse hepatocytes. <i>Journal of Clinical Investigation</i> , 1997 , 100, 2915-22	15.9	140
82	In utero undernutrition in male mice programs liver lipid metabolism in the second-generation offspring involving altered Lxra DNA methylation. <i>Cell Metabolism</i> , 2014 , 19, 941-51	24.6	137
81	Sitosterolemia in ABC-transporter G5-deficient mice is aggravated on activation of the liver-X receptor. <i>Gastroenterology</i> , 2004 , 126, 290-300	13.3	124
80	Hepatobiliary cholesterol transport is not impaired in Abca1-null mice lacking HDL. <i>Journal of Clinical Investigation</i> , 2001 , 108, 843-850	15.9	120
79	The liver X-receptor gene promoter is hypermethylated in a mouse model of prenatal protein restriction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R275-82	3.2	116
78	Apolipoprotein E participates in the regulation of very low density lipoprotein-triglyceride secretion by the liver. <i>Journal of Biological Chemistry</i> , 1999 , 274, 35711-8	5.4	103
77	Liver X receptor activation restores memory in aged AD mice without reducing amyloid. <i>Neurobiology of Aging</i> , 2011 , 32, 1262-72	5.6	101
76	Transintestinal Cholesterol Transport Is Active in Mice and Humans and Controls Ezetimibe-Induced Fecal Neutral Sterol Excretion. <i>Cell Metabolism</i> , 2016 , 24, 783-794	24.6	90
75	Intestinal Farnesoid X Receptor Controls Transintestinal Cholesterol Excretion in Mice. <i>Gastroenterology</i> , 2017 , 152, 1126-1138.e6	13.3	89

74	Biliary fibrosis associated with altered bile composition in a mouse model of erythropoietic protoporphyria. <i>Gastroenterology</i> , 1999 , 117, 696-705	13.3	83
73	Malnutrition-associated liver steatosis and ATP depletion is caused by peroxisomal and mitochondrial dysfunction. <i>Journal of Hepatology</i> , 2016 , 65, 1198-1208	13.4	78
72	Statins increase hepatic cholesterol synthesis and stimulate fecal cholesterol elimination in mice. <i>Journal of Lipid Research</i> , 2016 , 57, 1455-64	6.3	74
71	Reduction of cholesterol absorption by dietary plant sterols and stanols in mice is independent of the Abcg5/8 transporter. <i>Journal of Nutrition</i> , 2006 , 136, 2135-40	4.1	67
70	Induction of hepatic ABC transporter expression is part of the PPARalpha-mediated fasting response in the mouse. <i>Gastroenterology</i> , 2003 , 124, 160-71	13.3	66
69	Hypoxia and Complement-and-Coagulation Pathways in the Deceased Organ Donor as the Major Target for Intervention to Improve Renal Allograft Outcome. <i>Transplantation</i> , 2015 , 99, 1293-300	1.8	64
68	Differential effects of streptozotocin-induced diabetes on expression of hepatic ABC-transporters in rats. <i>Gastroenterology</i> , 2002 , 122, 1842-52	13.3	64
67	Maternal western diet primes non-alcoholic fatty liver disease in adult mouse offspring. <i>Acta Physiologica</i> , 2014 , 210, 215-27	5.6	61
66	3-Hydroxy-3-methylglutaryl-coenzyme A reductase inhibitors (statins) induce hepatic expression of the phospholipid translocase mdr2 in rats. <i>Gastroenterology</i> , 1999 , 117, 678-87	13.3	61
65	Down-regulation of hepatic and intestinal Abcg5 and Abcg8 expression associated with altered sterol fluxes in rats with streptozotocin-induced diabetes. <i>Diabetologia</i> , 2004 , 47, 104-12	10.3	56
64	A human-like bile acid pool induced by deletion of hepatic modulates effects of FXR activation in mice. <i>Journal of Lipid Research</i> , 2020 , 61, 291-305	6.3	52
63	An increased flux through the glucose 6-phosphate pool in enterocytes delays glucose absorption in <i>Fxr</i> ^{-/-} mice. <i>Journal of Biological Chemistry</i> , 2009 , 284, 10315-23	5.4	45
62	Abcg5/Abcg8-independent pathways contribute to hepatobiliary cholesterol secretion in mice. <i>American Journal of Physiology - Renal Physiology</i> , 2006 , 291, G414-23	5.1	44
61	A novel approach to monitor glucose metabolism using stable isotopically labelled glucose in longitudinal studies in mice. <i>Laboratory Animals</i> , 2013 , 47, 79-88	2.6	42
60	Liver receptor homolog-1 is critical for adequate up-regulation of Cyp7a1 gene transcription and bile salt synthesis during bile salt sequestration. <i>Hepatology</i> , 2011 , 53, 2075-85	11.2	41
59	New insights in the multiple roles of bile acids and their signaling pathways in metabolic control. <i>Current Opinion in Lipidology</i> , 2018 , 29, 194-202	4.4	37
58	Essential fatty acid deficiency in mice is associated with hepatic steatosis and secretion of large VLDL particles. <i>American Journal of Physiology - Renal Physiology</i> , 2005 , 288, G1150-8	5.1	35
57	Plant sterols cause macrothrombocytopenia in a mouse model of sitosterolemia. <i>Journal of Biological Chemistry</i> , 2008 , 283, 6281-7	5.4	34

56	Disturbed hepatic carbohydrate management during high metabolic demand in medium-chain acyl-CoA dehydrogenase (MCAD)-deficient mice. <i>Hepatology</i> , 2008 , 47, 1894-904	11.2	34
55	Cholesterol feeding strongly reduces hepatic VLDL-triglyceride production in mice lacking the liver X receptor alpha. <i>Journal of Lipid Research</i> , 2007 , 48, 337-47	6.3	32
54	Hyperlipidemia and atherosclerosis associated with liver disease in ferrochelatase-deficient mice. <i>Journal of Lipid Research</i> , 2001 , 42, 41-50	6.3	32
53	Gene expression profiling in livers of mice after acute inhibition of beta-oxidation. <i>Genomics</i> , 2007 , 90, 680-9	4.3	31
52	Clinical symptoms of right ventricular failure in experimental chronic pressure load are associated with progressive diastolic dysfunction. <i>Journal of Molecular and Cellular Cardiology</i> , 2015 , 79, 244-53	5.8	30
51	Alterations in brain cholesterol metabolism in the APPSLxPS1mut mouse, a model for Alzheimer's disease. <i>Journal of Alzheimer's Disease</i> , 2010 , 19, 117-27	4.3	29
50	Lxralpha deficiency hampers the hepatic adaptive response to fasting in mice. <i>Journal of Biological Chemistry</i> , 2008 , 283, 25437-25445	5.4	28
49	Cerebral accumulation of dietary derivable plant sterols does not interfere with memory and anxiety related behavior in Abcg5-/- mice. <i>Plant Foods for Human Nutrition</i> , 2011 , 66, 149-56	3.9	26
48	Hepatic lipid accumulation, altered very low density lipoprotein formation and apolipoprotein E deposition in apolipoprotein E3-Leiden transgenic mice. <i>Journal of Hepatology</i> , 2000 , 33, 189-98	13.4	26
47	Fat malabsorption in essential fatty acid-deficient mice is not due to impaired bile formation. <i>American Journal of Physiology - Renal Physiology</i> , 2002 , 283, G900-8	5.1	23
46	Hepatic farnesoid X-receptor isoforms α and β differentially modulate bile salt and lipoprotein metabolism in mice. <i>PLoS ONE</i> , 2014 , 9, e115028	3.7	23
45	Genetic and Microbial Associations to Plasma and Fecal Bile Acids in Obesity Relate to Plasma Lipids and Liver Fat Content. <i>Cell Reports</i> , 2020 , 33, 108212	10.6	22
44	Intestinal PPAR δ protects against diet-induced obesity, insulin resistance and dyslipidemia. <i>Scientific Reports</i> , 2017 , 7, 846	4.9	21
43	Chronic prednisolone treatment reduces hepatic insulin sensitivity while perturbing the fed-to-fasting transition in mice. <i>Endocrinology</i> , 2010 , 151, 2171-8	4.8	20
42	Secretory phospholipase A2 increases SR-BI-mediated selective uptake from HDL but not biliary cholesterol secretion. <i>Journal of Lipid Research</i> , 2008 , 49, 563-71	6.3	20
41	Mdr P-glycoproteins are not essential for biliary excretion of the hydrophobic heme precursor protoporphyrin in a griseofulvin-induced mouse model of erythropoietic protoporphyria. <i>Hepatology</i> , 2002 , 35, 299-306	11.2	19
40	Cross-talk between liver and intestine in control of cholesterol and energy homeostasis. <i>Molecular Aspects of Medicine</i> , 2014 , 37, 77-88	16.7	18
39	Epigenetic programming at the Mogat1 locus may link neonatal overnutrition with long-term hepatic steatosis and insulin resistance. <i>FASEB Journal</i> , 2018 , 32, fj201700717RR	0.9	16

38	Rosuvastatin reduces plasma lipids by inhibiting VLDL production and enhancing hepatobiliary lipid excretion in ApoE*3-leiden mice. <i>Journal of Cardiovascular Pharmacology</i> , 2005 , 45, 53-60	3.1	16
37	Bile acid sequestration normalizes plasma cholesterol and reduces atherosclerosis in hypercholesterolemic mice. No additional effect of physical activity. <i>Atherosclerosis</i> , 2013 , 228, 117-23	3.1	15
36	The phosphatidylethanolamine N-methyltransferase pathway is quantitatively not essential for biliary phosphatidylcholine secretion. <i>Journal of Lipid Research</i> , 2007 , 48, 2058-64	6.3	14
35	Sex-dependent programming of glucose and fatty acid metabolism in mouse offspring by maternal protein restriction. <i>Gender Medicine</i> , 2012 , 9, 166-179.e13		13
34	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. <i>Physiological Reports</i> , 2017 , 5, e13376	2.6	12
33	HSPA6 is an ulcerative colitis susceptibility factor that is induced by cigarette smoke and protects intestinal epithelial cells by stabilizing anti-apoptotic Bcl-XL. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2016 , 1862, 788-796	6.9	12
32	Potential of Intestine-Selective FXR Modulation for Treatment of Metabolic Disease. <i>Handbook of Experimental Pharmacology</i> , 2019 , 256, 207-234	3.2	11
31	Hepatic Carbohydrate Response Element Binding Protein Activation Limits Nonalcoholic Fatty Liver Disease Development in a Mouse Model for Glycogen Storage Disease Type 1a. <i>Hepatology</i> , 2020 , 72, 1638-1653	11.2	11
30	Hypertrophy induced KIF5B controls mitochondrial localization and function in neonatal rat cardiomyocytes. <i>Journal of Molecular and Cellular Cardiology</i> , 2016 , 97, 70-81	5.8	11
29	Postnatal treatment with dexamethasone perturbs hepatic and cardiac energy metabolism and is associated with a sustained atherogenic plasma lipid profile in suckling rats. <i>Pediatric Research</i> , 2007 , 61, 165-70	3.2	11
28	Cholangiopathy and Biliary Fibrosis in Cyp2c70-Deficient Mice Are Fully Reversed by Ursodeoxycholic Acid. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2021 , 11, 1045-1069	7.9	11
27	Glucose-6-Phosphate Regulates Hepatic Bile Acid Synthesis in Mice. <i>Hepatology</i> , 2019 , 70, 2171-2184	11.2	10
26	Chronic prednisolone treatment aggravates hyperglycemia in mice fed a high-fat diet but does not worsen dietary fat-induced insulin resistance. <i>Endocrinology</i> , 2012 , 153, 3713-23	4.8	10
25	Neonatal dexamethasone administration causes progressive renal damage due to induction of an early inflammatory response. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, F768-76	4.3	9
24	The role of transhepatic bile salt flux in the control of hepatic secretion of triacylglycerol-rich lipoproteins in vivo in rodents. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002 , 1573, 9-20	4	9
23	FXR overexpression alters adipose tissue architecture in mice and limits its storage capacity leading to metabolic derangements. <i>Journal of Lipid Research</i> , 2019 , 60, 1547-1561	6.3	8
22	Metabolic responses to long-term pharmacological inhibition of CB1-receptor activity in mice in relation to dietary fat composition. <i>International Journal of Obesity</i> , 2010 , 34, 374-84	5.5	8
21	The effects of bariatric surgery on clinical profile, DNA methylation, and ageing in severely obese patients. <i>Clinical Epigenetics</i> , 2020 , 12, 14	7.7	7

20	Characterization of gut microbial structural variations as determinants of human bile acid metabolism. <i>Cell Host and Microbe</i> , 2021 , 29, 1802-1814.e5	23.4	6
19	The hepatocyte IKK:NF- κ B axis promotes liver steatosis by stimulating de novo lipogenesis and cholesterol synthesis. <i>Molecular Metabolism</i> , 2021 , 54, 101349	8.8	6
18	An epigenome-wide association study identifies multiple DNA methylation markers of exposure to endocrine disruptors. <i>Environment International</i> , 2020 , 144, 106016	12.9	6
17	Short-term protein restriction at advanced age stimulates FGF21 signalling, energy expenditure and browning of white adipose tissue. <i>FEBS Journal</i> , 2021 , 288, 2257-2277	5.7	6
16	Milk cholesterol concentration in mice is not affected by high cholesterol diet- or genetically-induced hypercholesterolaemia. <i>Scientific Reports</i> , 2018 , 8, 8824	4.9	4
15	Resistance to diet-induced adiposity in cannabinoid receptor-1 deficient mice is not due to impaired adipocyte function. <i>Nutrition and Metabolism</i> , 2011 , 8, 93	4.6	3
14	Two time-point assessment of bile acid kinetics in humans using stable isotopes. <i>Isotopes in Environmental and Health Studies</i> , 2010 , 46, 325-36	1.5	3
13	Transcriptome analysis suggests a compensatory role of the cofactors coenzyme A and NAD in medium-chain acyl-CoA dehydrogenase knockout mice. <i>Scientific Reports</i> , 2019 , 9, 14539	4.9	2
12	Low production of 12 α -hydroxylated bile acids prevents hepatic steatosis in Cyp2c70 mice by reducing fat absorption. <i>Journal of Lipid Research</i> , 2021 , 100134	6.3	2
11	Spontaneous liver disease in wild-type C57BL/6JOLA ^{Hsd} mice fed semisynthetic diet. <i>PLoS ONE</i> , 2020 , 15, e0232069	3.7	2
10	Potential of therapeutic bile acids in the treatment of neonatal Hyperbilirubinemia. <i>Scientific Reports</i> , 2021 , 11, 111107	4.9	2
9	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. <i>British Journal of Nutrition</i> , 2021 , 125, 961-971	3.6	2
8	Epigenome-wide association study of incident type 2 diabetes: a meta-analysis of five prospective European cohorts.. <i>Diabetologia</i> , 2022 , 65, 763	10.3	2
7	Mice with a deficiency in Peroxisomal Membrane Protein 4 (PXMP4) display mild changes in hepatic lipid metabolism.. <i>Scientific Reports</i> , 2022 , 12, 2512	4.9	1
6	Response to Spontaneous Cholemia in C57BL/6 Mice Predisposes to Liver Cancer in NASH.. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2022 ,	7.9	
5	Reply to: "Impaired expression of multidrug resistance-associated protein 2 and liver damage in erythropoietic protoporphyria". <i>Hepatology</i> , 2016 , 63, 1743-4	11.2	
4	Spontaneous liver disease in wild-type C57BL/6JOLA ^{Hsd} mice fed semisynthetic diet 2020 , 15, e0232069		
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2 Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet **2020**, 15, e0232069

1 Spontaneous liver disease in wild-type C57BL/6JOlaHsd mice fed semisynthetic diet **2020**, 15, e0232069