Helen H Hobbs

List of Publications by Citations

80 papers	23,791 citations	57 h-index	86 g-index
86 ext. papers	26,713 ext. citations	14 avg, IF	6.69 L-index

#	Paper	IF	Citations
80	Prevalence of hepatic steatosis in an urban population in the United States: impact of ethnicity. *Hepatology*, **2004**, 40, 1387-95	11.2	2757
79	Genetic variation in PNPLA3 confers susceptibility to nonalcoholic fatty liver disease. *Nature Genetics*, **2008**, 40, 1461-5	36.3	2115
78	Human fatty liver disease: old questions and new insights. *Science*, **2011**, 332, 1519-23	33.3	1482
77	Accumulation of dietary cholesterol in sitosterolemia caused by mutations in adjacent ABC transporters. *Science*, **2000**, 290, 1771-5	33.3	1223
76	Magnetic resonance spectroscopy to measure hepatic triglyceride content: prevalence of hepatic steatosis in the general population. *American Journal of Physiology - Endocrinology and Metabolism*, **2005**, 288, E462-8	6	1132
75	Low LDL cholesterol in individuals of African descent resulting from frequent nonsense mutations in PCSK9. *Nature Genetics*, **2005**, 37, 161-5	36.3	1025
74	Molecular genetics of the LDL receptor gene in familial hypercholesterolemia. *Human Mutation*, **1992**, 1, 445-66	4.7	919
73	Exome-wide association study identifies a TM6SF2 variant that confers susceptibility to nonalcoholic fatty liver disease. *Nature Genetics*, **2014**, 46, 352-6	36.3	695
72	High-density lipoprotein binding to scavenger receptor-BI activates endothelial nitric oxide synthase. *Nature Medicine*, **2001**, 7, 853-7	50.5	615
71	The LDL receptor locus in familial hypercholesterolemia: mutational analysis of a membrane protein. *Annual Review of Genetics*, **1990**, 24, 133-70	14.5	584
70	Disruption of Abcg5 and Abcg8 in mice reveals their crucial role in biliary cholesterol secretion. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 16237-42	11.5	580
69	Binding of proprotein convertase subtilisin/kexin type 9 to epidermal growth factor-like repeat A of low density lipoprotein receptor decreases receptor recycling and increases degradation. *Journal of Biological Chemistry*, **2007**, 282, 18602-18612	5.4	539
68	Molecular characterization of loss-of-function mutations in PCSK9 and identification of a compound heterozygote. *American Journal of Human Genetics*, **2006**, 79, 514-23	11	488
67	Exome sequencing, ANGPTL3 mutations, and familial combined hypolipidemia. *New England Journal of Medicine*, **2010**, 363, 2220-7	59.2	485
66	A spectrum of PCSK9 alleles contributes to plasma levels of low-density lipoprotein cholesterol. *American Journal of Human Genetics*, **2006**, 78, 410-22	11	433
65	Population-based resequencing of ANGPTL4 uncovers variations that reduce triglycerides and increase HDL. *Nature Genetics*, **2007**, 39, 513-6	36.3	423
64	A sequence variation (I148M) in PNPLA3 associated with nonalcoholic fatty liver disease disrupts triglyceride hydrolysis. *Journal of Biological Chemistry*, **2010**, 285, 6706-15	5.4	422

63	Molecular biology of PCSK9: its role in LDL metabolism. *Trends in Biochemical Sciences*, **2007**, 32, 71-7	10.3	422
62	The Dallas Heart Study: a population-based probability sample for the multidisciplinary study of ethnic differences in cardiovascular health. *American Journal of Cardiology*, **2004**, 93, 1473-80	3	419
61	PCSK9: a convertase that coordinates LDL catabolism. *Journal of Lipid Research*, **2009**, 50 Suppl, S172-7	6.3	405
60	Genetic and metabolic determinants of plasma PCSK9 levels. *Journal of Clinical Endocrinology and Metabolism*, **2009**, 94, 2537-43	5.6	357
59	A Protein-Truncating HSD17B13 Variant and Protection from Chronic Liver Disease. *New England Journal of Medicine*, **2018**, 378, 1096-1106	59.2	350
58	ABCG5 and ABCG8 are obligate heterodimers for protein trafficking and biliary cholesterol excretion. *Journal of Biological Chemistry*, **2003**, 278, 48275-82	5.4	339
57	Atypical angiopoietin-like protein that regulates ANGPTL3. *Proceedings of the National Academy of Sciences of the United States of America*, **2012**, 109, 19751-6	11.5	308
56	A feed-forward loop amplifies nutritional regulation of PNPLA3. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 7892-7	11.5	279
55	Rare loss-of-function mutations in ANGPTL family members contribute to plasma triglyceride levels in humans. *Journal of Clinical Investigation*, **2009**, 119, 70-9	15.9	277
54	Coexpression of ATP-binding cassette proteins ABCG5 and ABCG8 permits their transport to the apical surface. *Journal of Clinical Investigation*, **2002**, 110, 659-669	15.9	240
53	Pnpla3I148M knockin mice accumulate PNPLA3 on lipid droplets and develop hepatic steatosis. *Hepatology*, **2015**, 61, 108-18	11.2	236
52	Mice lacking ANGPTL8 (Betatrophin) manifest disrupted triglyceride metabolism without impaired glucose homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2013**, 110, 16109-14	11.5	236
51	Expression and characterization of a PNPLA3 protein isoform (I148M) associated with nonalcoholic fatty liver disease. *Journal of Biological Chemistry*, **2011**, 286, 37085-93	5.4	194
50	Crystal structure of the human sterol transporter ABCG5/ABCG8. *Nature*, **2016**, 533, 561-4	50.4	185
49	Adiposity amplifies the genetic risk of fatty liver disease conferred by multiple loci. *Nature Genetics*, **2017**, 49, 842-847	36.3	184
48	Chronic overexpression of PNPLA3I148M in mouse liver causes hepatic steatosis. *Journal of Clinical Investigation*, **2012**, 122, 4130-44	15.9	177
47	Structural requirements for PCSK9-mediated degradation of the low-density lipoprotein receptor. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 13045-50	11.5	170
46	ANGPTL8/betatrophin does not control pancreatic beta cell expansion. *Cell*, **2014**, 159, 691-6	56.2	168

45	Heritability of plasma noncholesterol sterols and relationship to DNA sequence polymorphism in ABCG5 and ABCG8. *Journal of Lipid Research*, **2002**, 43, 486-494	6.3	165
44	Expression of ABCG5 and ABCG8 is required for regulation of biliary cholesterol secretion. *Journal of Biological Chemistry*, **2005**, 280, 8742-7	5.4	162
43	No association between plasma levels of plant sterols and atherosclerosis in mice and men. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2004**, 24, 2326-32	9.4	146
42	The PNPLA3 variant associated with fatty liver disease (I148M) accumulates on lipid droplets by evading ubiquitylation. *Hepatology*, **2017**, 66, 1111-1124	11.2	142
41	Mutations in ATP-cassette binding proteins G5 (ABCG5) and G8 (ABCG8) causing sitosterolemia. *Human Mutation*, **2001**, 18, 359-60	4.7	135
40	ANGPTL3 blockade with a human monoclonal antibody reduces plasma lipids in dyslipidemic mice and monkeys. *Journal of Lipid Research*, **2015**, 56, 1308-17	6.3	122
39	Inactivation of Tm6sf2, a Gene Defective in Fatty Liver Disease, Impairs Lipidation but Not Secretion of Very Low Density Lipoproteins. *Journal of Biological Chemistry*, **2016**, 291, 10659-76	5.4	120
38	Selective sterol accumulation in ABCG5/ABCG8-deficient mice. *Journal of Lipid Research*, **2004**, 45, 301-7	6.3	112
37	Expression of the VLDL receptor in endothelial cells. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **1996**, 16, 407-15	9.4	111
36	ANGPTL8 requires ANGPTL3 to inhibit lipoprotein lipase and plasma triglyceride clearance. *Journal of Lipid Research*, **2017**, 58, 1166-1173	6.3	110
35	Inactivation of ANGPTL3 reduces hepatic VLDL-triglyceride secretion. *Journal of Lipid Research*, **2015**, 56, 1296-307	6.3	110
34	Dissociation between APOC3 variants, hepatic triglyceride content and insulin resistance. *Hepatology*, **2011**, 53, 467-74	11.2	110
33	Accumulation of PNPLA3 on lipid droplets is the basis of associated hepatic steatosis. *Proceedings of the National Academy of Sciences of the United States of America*, **2019**, 116, 9521-9526	11.5	108
32	Relative roles of ABCG5/ABCG8 in liver and intestine. *Journal of Lipid Research*, **2015**, 56, 319-30	6.3	103
31	Flux analysis of cholesterol biosynthesis in vivo reveals multiple tissue and cell-type specific pathways. *ELife*, **2015**, 4, e07999	8.9	91
30	Genetic variation in ANGPTL4 provides insights into protein processing and function. *Journal of Biological Chemistry*, **2009**, 284, 13213-22	5.4	87
29	Hepatic ANGPTL3 regulates adipose tissue energy homeostasis. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 11630-5	11.5	80
28	Deletion of GPIHBP1 causing severe chylomicronemia. *Journal of Inherited Metabolic Disease*, **2012**, 35, 531-40	5.4	70

27	Molecular characterization of proprotein convertase subtilisin/kexin type 9-mediated degradation of the LDLR. *Journal of Lipid Research*, **2012**, 53, 1932-43	6.3	69
26	PNPLA3, CGI-58, and Inhibition of Hepatic Triglyceride Hydrolysis in Mice. *Hepatology*, **2019**, 69, 2427-2441	11.2	67
25	Sterol transfer by ABCG5 and ABCG8: in vitro assay and reconstitution. *Journal of Biological Chemistry*, **2006**, 281, 27894-904	5.4	67
24	Indices of cholesterol metabolism and relative responsiveness to ezetimibe and simvastatin. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 800-9	5.6	61
23	Angiopoietin-like protein 3 governs LDL-cholesterol levels through endothelial lipase-dependent VLDL clearance. *Journal of Lipid Research*, **2020**, 61, 1271-1286	6.3	52
22	Patatin-like phospholipase domain□ontaining protein 3 promotes transfer of essential fatty acids from triglycerides to phospholipids in hepatic lipid droplets. *Journal of Biological Chemistry*, **2018**, 293, 6958-6968	5.4	51
21	Disruption of LDL but not VLDL clearance in autosomal recessive hypercholesterolemia. *Journal of Clinical Investigation*, **2007**, 117, 165-74	15.9	45
20	ANGPTL8 Blockade With a Monoclonal Antibody Promotes Triglyceride Clearance, Energy Expenditure, and Weight Loss in Mice. *Endocrinology*, **2017**, 158, 1252-1259	4.8	41
19	Functional asymmetry of nucleotide-binding domains in ABCG5 and ABCG8. *Journal of Biological Chemistry*, **2006**, 281, 4507-16	5.4	41
18	Relationship between genetic variation at PPP1R3B and levels of liver glycogen and triglyceride. *Hepatology*, **2018**, 67, 2182-2195	11.2	37
17	Adult-onset liver disease and hepatocellular carcinoma in S-adenosylhomocysteine hydrolase deficiency. *Molecular Genetics and Metabolism*, **2015**, 116, 269-74	3.7	31
16	Variability of cholesterol accessibility in human red blood cells measured using a bacterial cholesterol-binding toxin. *ELife*, **2017**, 6,	8.9	30
15	Genetic variant in PNPLA3 is associated with nonalcoholic fatty liver disease in China. *Hepatology*, **2012**, 55, 327-8	11.2	30
14	APOC3, coronary disease, and complexities of Mendelian randomization. *Cell Metabolism*, **2014**, 20, 387-9	24.6	29
13	Homozygosity mapping identifies a bile acid biosynthetic defect in an adult with cirrhosis of unknown etiology. *Hepatology*, **2012**, 55, 1139-45	11.2	29
12	Increased thermogenesis by a noncanonical pathway in ANGPTL3/8-deficient mice. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, E1249-E1258	11.5	27
11	Sequences in the nonconsensus nucleotide-binding domain of ABCG5/ABCG8 required for sterol transport. *Journal of Biological Chemistry*, **2011**, 286, 7308-14	5.4	27
10	ANGPTL8 has both endocrine and autocrine effects on substrate utilization. *JCI Insight*, **2020**, 5,	9.9	22

9	HSD17B13 and Chronic Liver Disease in Blacks and Hispanics. *New England Journal of Medicine*, **2018**, 379, 1876-1877	59.2	22
8	High plasma levels of apo(a) fragments in Caucasians and African-Americans with end-stage renal disease: implications for plasma Lp(a) assay. *Clinical Genetics*, **1997**, 52, 387-92	4	15
7	Molecular basis of cholesterol efflux via ABCG subfamily transporters. *Proceedings of the National Academy of Sciences of the United States of America*, **2021**, 118,	11.5	5
6	Hepatic triglyceride content in individuals with reduced intestinal cholesterol absorption due to variants in Nieman Pick C1-like 1. *Hepatology*, **2011**, 54, 736-7	11.2	2
5	Genetic and Metabolic Determinants of Plasma Levels of ANGPTL8. *Journal of Clinical Endocrinology and Metabolism*, **2021**, 106, 1649-1667	5.6	2
4	Science, serendipity, and the single degree. *Journal of Clinical Investigation*, **2018**, 128, 4218-4223	15.9	1
3	Reply. *Hepatology*, **2016**, 63, 677	11.2	1
2	Beth Levine M.D. Prize in Autophagy Research. *Autophagy*,1-1	10.2	
1	Missense variant in insulin receptor (Y1355H) segregates in family with fatty liver disease. *Molecular Metabolism*, **2021**, 53, 101299	8.8	