David Q-H Wang

List of Publications by Citations

110 papers	4,268 citations	40 h-index	62 g-index
118 ext. papers	5,212 ext. citations	5.5 avg, IF	5.78 L-index

#	Paper	IF	Citations
110	Gallstones. *Nature Reviews Disease Primers*, **2016**, 2, 16024	51.1	214
109	Regulation of intestinal cholesterol absorption. *Annual Review of Physiology*, **2007**, 69, 221-48	23.1	214
108	Dietary sphingomyelin suppresses intestinal cholesterol absorption by decreasing thermodynamic activity of cholesterol monomers. *Gastroenterology*, **2002**, 122, 948-56	13.3	148
107	Bile Acid Physiology. *Annals of Hepatology*, **2017**, 16, s4-s14	3.1	137
106	Biliary lipids and cholesterol gallstone disease. *Journal of Lipid Research*, **2009**, 50 Suppl, S406-11	6.3	131
105	Spontaneous cholecysto- and hepatolithiasis in Mdr2-/- mice: a model for low phospholipid-associated cholelithiasis. *Hepatology*, **2004**, 39, 117-28	11.2	127
104	Feeding natural hydrophilic bile acids inhibits intestinal cholesterol absorption: studies in the gallstone-susceptible mouse. *American Journal of Physiology - Renal Physiology*, **2003**, 285, G494-502	5.1	126
103	Effect of ezetimibe on the prevention and dissolution of cholesterol gallstones. *Gastroenterology*, **2008**, 134, 2101-10	13.3	118
102	New insights into the genetic regulation of intestinal cholesterol absorption. *Gastroenterology*, **2005**, 129, 718-34	13.3	111
101	Coordinate regulation of gallbladder motor function in the gut-liver axis. *Hepatology*, **2008**, 47, 2112-26	11.2	100
100	Cholesterol and Lipoprotein Metabolism and Atherosclerosis: Recent Advances In reverse Cholesterol Transport. *Annals of Hepatology*, **2017**, 16, s27-s42	3.1	97
99	Role of mitochondria in nonalcoholic fatty liver disease--from origin to propagation. *Clinical Biochemistry*, **2012**, 45, 610-8	3.5	93
98	Phenotypic characterization of Lith genes that determine susceptibility to cholesterol cholelithiasis in inbred mice: pathophysiology of biliary lipid secretion. *Journal of Lipid Research*, **1999**, 40, 2066-2079	6.3	91
97	Measurement of intestinal cholesterol absorption by plasma and fecal dual-isotope ratio, mass balance, and lymph fistula methods in the mouse: an analysis of direct versus indirect methodologies. *Journal of Lipid Research*, **2003**, 44, 1042-59	6.3	83
96	Cholesterol absorption is mainly regulated by the jejunal and ileal ATP-binding cassette sterol efflux transporters Abcg5 and Abcg8 in mice. *Journal of Lipid Research*, **2004**, 45, 1312-23	6.3	76
95	New insights into the molecular mechanisms underlying effects of estrogen on cholesterol gallstone formation. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2009**, 1791, 1037-47	5	73
94	Targeted disruption of the murine cholecystokinin-1 receptor promotes intestinal cholesterol absorption and susceptibility to cholesterol cholelithiasis. *Journal of Clinical Investigation*, **2004**, 114, 521-8	15.9	72

93	Mitochondria in chronic liver disease. *Current Drug Targets*, **2011**, 12, 879-93	3	67
92	The dangerous link between childhood and adulthood predictors of obesity and metabolic syndrome. *Internal and Emergency Medicine*, **2016**, 11, 175-82	3.7	66
91	Role of intestinal sterol transporters Abcg5, Abcg8, and Npc1l1 in cholesterol absorption in mice: gender and age effects. *American Journal of Physiology - Renal Physiology*, **2006**, 290, G269-76	5.1	66
90	Genetic factors at the enterocyte level account for variations inintestinal cholesterol absorption efficiency among inbred strains of mice. *Journal of Lipid Research*, **2001**, 42, 1820-1830	6.3	65
89	Molecular pathophysiology and physical chemistry of cholesterol gallstones. *Frontiers in Bioscience - Landmark*, **2008**, 13, 401-23	2.8	64
88	An update on the pathogenesis of cholesterol gallstone disease. *Current Opinion in Gastroenterology*, **2018**, 34, 71-80	3	62
87	Obesity and the risk and prognosis of gallstone disease and pancreatitis. *Baillieres Best Practice and Research in Clinical Gastroenterology*, **2014**, 28, 623-35	2.5	62
86	Estrogen receptor alpha, but not beta, plays a major role in 17beta-estradiol-induced murine cholesterol gallstones. *Gastroenterology*, **2004**, 127, 239-49	13.3	62
85	Genetic analysis of cholesterol gallstone formation: searching for Lith (gallstone) genes. *Current Gastroenterology Reports*, **2004**, 6, 140-50	5	60
84	Quantifying anomalous intestinal sterol uptake, lymphatic transport, and biliary secretion in Abcg8(-/-) mice. *Hepatology*, **2007**, 45, 998-1006	11.2	59
83	Novel Insights into the Pathogenesis and Management of the Metabolic Syndrome. *Pediatric Gastroenterology, Hepatology and Nutrition*, **2020**, 23, 189-230	2.3	56
82	Therapeutic uses of animal biles in traditional Chinese medicine: an ethnopharmacological, biophysical chemical and medicinal review. *World Journal of Gastroenterology*, **2014**, 20, 9952-75	5.6	53
81	Sterol carrier protein 2 participates in hypersecretion of biliary cholesterol during gallstone formation in genetically gallstone-susceptible mice. *Biochemical Journal*, **1998**, 336 (Pt 1), 33-7	3.8	53
80	Aging per se is an independent risk factor for cholesterol gallstone formation in gallstone susceptible mice. *Journal of Lipid Research*, **2002**, 43, 1950-9	6.3	47
79	Phenotypic characterization of Lith genes that determine susceptibility to cholesterol cholelithiasis in inbred mice: integrated activities of hepatic lipid regulatory enzymes. *Journal of Lipid Research*, **1999**, 40, 2080-2090	6.3	47
78	High cholesterol absorption efficiency and rapid biliary secretion of chylomicron remnant cholesterol enhance cholelithogenesis in gallstone-susceptible mice. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2005**, 1733, 90-9	5	45
77	Effect of beta-muricholic acid on the prevention and dissolution of cholesterol gallstones in C57L/J mice. *Journal of Lipid Research*, **2002**, 43, 1960-8	6.3	44
76	Overexpression of estrogen receptor alpha increases hepatic cholesterogenesis, leading to biliary hypersecretion in mice. *Journal of Lipid Research*, **2006**, 47, 778-86	6.3	42

75	Bile Acids and Cancer: Direct and Environmental-Dependent Effects. *Annals of Hepatology*, **2017**, 16, s87-s105	3.1	40
74	Cholesterol cholelithiasis in pregnant women: pathogenesis, prevention and treatment. *Annals of Hepatology*, **2014**, 13, 728-745	3.1	40
73	Lith genes and genetic analysis of cholesterol gallstone formation. *Gastroenterology Clinics of North America*, **2010**, 39, 185-207, vii-viii	4.4	40
72	Effect of gallbladder hypomotility on cholesterol crystallization and growth in CCK-deficient mice. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 138-46	5	40
71	Gastrointestinal symptoms and motility disorders in patients with systemic scleroderma. *BMC Gastroenterology*, **2008**, 8, 7	3	40
70	Liver Steatosis, Gut-Liver Axis, Microbiome and Environmental Factors. A Never-Ending Bidirectional Cross-Talk. *Journal of Clinical Medicine*, **2020**, 9,	5.1	40
69	Cholic acid aids absorption, biliary secretion, and phase transitions of cholesterol in murine cholelithogenesis. *American Journal of Physiology - Renal Physiology*, **1999**, 276, G751-60	5.1	39
68	Prevention of cholesterol gallstones by inhibiting hepatic biosynthesis and intestinal absorption of cholesterol. *European Journal of Clinical Investigation*, **2013**, 43, 413-26	4.6	38
67	Susceptibility to murine cholesterol gallstone formation is not affected by partial disruption of the HDL receptor SR-BI. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2002**, 1583, 141-50	5	36
66	A silybin-phospholipids complex counteracts rat fatty liver degeneration and mitochondrial oxidative changes. *World Journal of Gastroenterology*, **2013**, 19, 3007-17	5.6	36
65	Exercising the hepatobiliary-gut axis. The impact of physical activity performance. *European Journal of Clinical Investigation*, **2018**, 48, e12958	4.6	34
64	Gallbladder and gastric motility in obese newborns, pre-adolescents and adults. *Journal of Gastroenterology and Hepatology (Australia)*, **2012**, 27, 1298-305	4	34
63	No pathophysiologic relationship of soluble biliary proteins to cholesterol crystallization in human bile. *Journal of Lipid Research*, **1999**, 40, 415-425	6.3	32
62	Targeting mitochondria to oppose the progression of nonalcoholic fatty liver disease. *Biochemical Pharmacology*, **2019**, 160, 34-45	6	29
61	Steatosis in the liver. *Comprehensive Physiology*, **2013**, 3, 1493-532	7.7	27
60	Estrogen induces two distinct cholesterol crystallization pathways by activating ER and GPR30 in female mice. *Journal of Lipid Research*, **2015**, 56, 1691-700	6.3	26
59	Ginsenoside Rb1 increases insulin sensitivity by activating AMP-activated protein kinase in male rats. *Physiological Reports*, **2015**, 3, e12543	2.6	26
58	A pleiotropic role for the orphan nuclear receptor small heterodimer partner in lipid homeostasis and metabolic pathways. *Journal of Lipids*, **2012**, 2012, 304292	2.7	25

57	The Role of Diet in the Pathogenesis of Cholesterol Gallstones. *Current Medicinal Chemistry*, **2019**, 26, 3620-3638	4.3	22
56	Mouse models of gallstone disease. *Current Opinion in Gastroenterology*, **2018**, 34, 59-70	3	21
55	Estradiol increases the anorectic effect of central apolipoprotein A-IV. *Endocrinology*, **2010**, 151, 3163-8	4.8	21
54	Gut Microbiota and Short Chain Fatty Acids: Implications in Glucose Homeostasis.. *International Journal of Molecular Sciences*, **2022**, 23,	6.3	20
53	Novel insights in health-promoting properties of sweet cherries. *Journal of Functional Foods*, **2020**, 69, 103945-103945	5.1	19
52	Cholecystectomy and risk of metabolic syndrome. *European Journal of Internal Medicine*, **2018**, 53, 3-11	3.9	19
51	Physical chemistry of intestinal absorption of biliary cholesterol in mice. *Hepatology*, **2008**, 48, 177-85	11.2	19
50	Therapeutic reflections in cholesterol homeostasis and gallstone disease: a review. *Current Medicinal Chemistry*, **2014**, 21, 1435-47	4.3	17
49	Nonalcoholic Fatty Liver Disease (NAFLD). Mitochondria as Players and Targets of Therapies?. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	17
48	Evidence that the adenosine triphosphate-binding cassette G5/G8-independent pathway plays a determinant role in cholesterol gallstone formation in mice. *Hepatology*, **2016**, 64, 853-64	11.2	17
47	Apolipoprotein E reduces food intake via PI3K/Akt signaling pathway in the hypothalamus. *Physiology and Behavior*, **2011**, 105, 124-8	3.5	16
46	Cholesterol cholelithiasis in pregnant women: pathogenesis, prevention and treatment. *Annals of Hepatology*, **2014**, 13, 728-45	3.1	15
45	Transgenic overexpression of Abcb11 enhances biliary bile salt outputs, but does not affect cholesterol cholelithogenesis in mice. *European Journal of Clinical Investigation*, **2010**, 40, 541-51	4.6	14
44	Bile Acids and GPBAR-1: Dynamic Interaction Involving Genes, Environment and Gut Microbiome. *Nutrients*, **2020**, 12,	6.7	13
43	Regulation of Cholesterol Metabolism by Bioactive Components of Soy Proteins: Novel Translational Evidence. *International Journal of Molecular Sciences*, **2020**, 22,	6.3	12
42	Transintestinal cholesterol excretion: A secondary, nonbiliary pathway contributing to reverse cholesterol transport. *Hepatology*, **2017**, 66, 1337-1340	11.2	11
41	The deletion of the estrogen receptor gene reduces susceptibility to estrogen-induced cholesterol cholelithiasis in female mice. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 2161-9	6.9	10
40	Cross-Talk Between Bile Acids and Gastro-Intestinal and Thermogenic Hormones: Clues from Bariatric Surgery. *Annals of Hepatology*, **2017**, 16, s68-s82	3.1	10

39	The mechanism of dysbiosis in alcoholic liver disease leading to liver cancer. *Hepatoma Research*, **2020**, 6,	4.3	10
38	Update on the Molecular Mechanisms Underlying the Effect of Cholecystokinin and Cholecystokinin-1 Receptor on the Formation of Cholesterol Gallstones. *Current Medicinal Chemistry*, **2019**, 26, 3407-3423	4.3	10
37	The cholecystokinin-1 receptor antagonist devazepide increases cholesterol cholelithogenesis in mice. *European Journal of Clinical Investigation*, **2016**, 46, 158-69	4.6	10
36	Cholesterol cholelithiasis: part of a systemic metabolic disease, prone to primary prevention. *Expert Review of Gastroenterology and Hepatology*, **2019**, 13, 157-171	4.2	10
35	Impaired intestinal cholecystokinin secretion, a fascinating but overlooked link between coeliac disease and cholesterol gallstone disease. *European Journal of Clinical Investigation*, **2017**, 47, 328-333	4.6	9
34	Intestinal Barrier and Permeability in Health, Obesity and NAFLD.. *Biomedicines*, **2021**, 10,	4.8	9
33	BDNF/TrkB signaling mediates the anorectic action of estradiol in the nucleus tractus solitarius. *Oncotarget*, **2017**, 8, 84028-84038	3.3	9
32	Synthetic human ABCB4 mRNA therapy rescues severe liver disease phenotype in a BALB/c.Abcb4 mouse model of PFIC3. *Journal of Hepatology*, **2021**, 74, 1416-1428	13.4	8
31	Mitochondria Matter: Systemic Aspects of Nonalcoholic Fatty Liver Disease (NAFLD) and Diagnostic Assessment of Liver Function by Stable Isotope Dynamic Breath Tests. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	8
30	A novel GPER antagonist protects against the formation of estrogen-induced cholesterol gallstones in female mice. *Journal of Lipid Research*, **2020**, 61, 767-777	6.3	7
29	Estradiol stimulates apolipoprotein A-IV gene expression in the nucleus of the solitary tract through estrogen receptor-□*Endocrinology*, **2014**, 155, 3882-90	4.8	7
28	The Biliary System. *Colloquium Series on Integrated Systems Physiology From Molecule To Function*, **2012**, 4, 1-148		7
27	New insights into the role of genes in the formation of cholesterol-supersaturated bile. *Liver Research*, **2017**, 1, 42-53	4.1	6
26	Apolipoprotein A-V is present in bile and its secretion increases with lipid absorption in Sprague-Dawley rats. *American Journal of Physiology - Renal Physiology*, **2015**, 309, G918-25	5.1	6
25	Effect of Inhibition of Intestinal Cholesterol Absorption on the Prevention of Cholesterol Gallstone Formation. *Medicinal Chemistry*, **2017**, 13, 421-429	1.8	6
24	Gut Microbiota between Environment and Genetic Background in Familial Mediterranean Fever (FMF). *Genes*, **2020**, 11,	4.2	6
23	Recent Advances in the Critical Role of the Sterol Efflux Transporters ABCG5/G8 in Health and Disease. *Advances in Experimental Medicine and Biology*, **2020**, 1276, 105-136	3.6	5
22	Protocols for Mitochondria as the Target of Pharmacological Therapy in the Context of Nonalcoholic Fatty Liver Disease (NAFLD). *Methods in Molecular Biology*, **2021**, 2310, 201-246	1.4	5

21	Gallstones1808-1834		5
20	Gallstones335-353		5
19	New concepts of mechanisms of intestinal cholesterol absorption. *Annals of Hepatology*, **2003**, 2, 113-213.1		5
18	Activation of Estrogen Receptor G Protein-Coupled Receptor 30 Enhances Cholesterol Cholelithogenesis in Female Mice. *Hepatology*, **2020**, 72, 2077-2089	11.2	4
17	Silencing steroid receptor coactivator-1 in the nucleus of the solitary tract reduces estrogenic effects on feeding and apolipoprotein A-IV expression. *Journal of Biological Chemistry*, **2018**, 293, 2091-2101	5.4	4
16	Interactions between Bile Acids and Nuclear Receptors and Their Effects on Lipid Metabolism and Liver Diseases. *Journal of Lipids*, **2012**, 2012, 560715	2.7	4
15	The Biliary System, Second Edition. *Colloquium Series on Integrated Systems Physiology From Molecule To Function*, **2016**, 8, i-178		4
14	Gastrointestinal defects in gallstone and cholecystectomized patients. *European Journal of Clinical Investigation*, **2019**, 49, e13066	4.6	4
13	Hepatocyte miR-34a is a key regulator in the development and progression of non-alcoholic fatty liver disease. *Molecular Metabolism*, **2021**, 51, 101244	8.8	4
12	The physical presence of gallstone modulates cholesterol crystallization pathways of human bile. *Gastroenterology Report*, **2019**, 7, 32-41	3.3	3
11	An Update on the Lithogenic Mechanisms of Cholecystokinin a Receptor (CCKAR), an Important Gallstone Gene for. *Genes*, **2020**, 11,	4.2	3
10	Gut vagal afferents are necessary for the eating-suppressive effect of intraperitoneally administered ginsenoside Rb1 in rats. *Physiology and Behavior*, **2015**, 152, 62-7	3.5	2
9	Physical Activity Modulating Lipid Metabolism in Gallbladder Diseases. *Journal of Gastrointestinal and Liver Diseases*, **2020**, 29, 99-110	1.4	2
8	G Protein-Coupled Estrogen Receptor, GPER1, Offers a Novel Target for the Treatment of Digestive Diseases. *Frontiers in Endocrinology*, **2020**, 11, 578536	5.7	2
7	Bile Formation and Pathophysiology of Gallstones **2020**, 287-306		2
6	Similarities and differences between biliary sludge and microlithiasis: Their clinical and pathophysiological significances. *Liver Research*, **2018**, 2, 186-199	4.1	2
5	Differential Effect of Four-Week Feeding of Different Dietary Fats on the Accumulation of Fat and the Cholesterol and Triglyceride Contents in the Different Fat Depots. *Nutrients*, **2020**, 12,	6.7	1
4	Sexual dimorphism in intestinal absorption and lymphatic transport of dietary lipids. *Journal of Physiology*, **2021**, 599, 5015-5030	3.9	0

3	Insights into the pharmacology of GPER/GPR30 and its involvement in gallstone formation. *FASEB Journal*, **2019**, 33, 821.1	0.9
2	Effect of ezetimibe on the response of incretin secretion to intestine lipid ingestion. *FASEB Journal*, **2010**, 24, 1009.3	0.9
1	New Exploration of Chinese Herbal Medicines in Hepatology. *Evidence-based Complementary and Alternative Medicine*, **2016**, 2016, 3056438	2.3