

# Frank G Schaap

## List of Publications by Year in descending order

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109  
papers

6,248  
citations

81839

39  
h-index

71651

76  
g-index

109  
all docs

109  
docs citations

109  
times ranked

8888  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of Insulin Sensitivity after Lean Donor Feces in Metabolic Syndrome Is Driven by Baseline Intestinal Microbiota Composition. <i>Cell Metabolism</i> , 2017, 26, 611-619.e6.	7.2	689
2	Bile acid receptors as targets for drug development. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014, 11, 55-67.	8.2	565
3	ApoAV Reduces Plasma Triglycerides by Inhibiting Very Low Density Lipoprotein-Triglyceride (VLDL-TG) Production and Stimulating Lipoprotein Lipase-mediated VLDL-TG Hydrolysis. <i>Journal of Biological Chemistry</i> , 2004, 279, 27941-27947.	1.6	267
4	High expression of the bile salt-homeostatic hormone fibroblast growth factor 19 in the liver of patients with extrahepatic cholestasis. <i>Hepatology</i> , 2009, 49, 1228-1235.	3.6	240
5	The ascending pathophysiology of cholestatic liver disease. <i>Hepatology</i> , 2017, 65, 722-738.	3.6	236
6	Serum autotaxin is increased in pruritus of cholestasis, but not of other origin, and responds to therapeutic interventions. <i>Hepatology</i> , 2012, 56, 1391-1400.	3.6	228
7	Impaired Long-Chain Fatty Acid Utilization by Cardiac Myocytes Isolated From Mice Lacking the Heart-Type Fatty Acid Binding Protein Gene. <i>Circulation Research</i> , 1999, 85, 329-337.	2.0	195
8	Sodium taurocholate cotransporting polypeptide (SLC10A1) deficiency: Conjugated hypercholanemia without a clear clinical phenotype. <i>Hepatology</i> , 2015, 61, 260-267.	3.6	169
9	Distinct fecal and oral microbiota composition in human type 1 diabetes, an observational study. <i>PLoS ONE</i> , 2017, 12, e0188475.	1.1	163
10	Adenoviral overexpression of apolipoprotein A-V reduces serum levels of triglycerides and cholesterol in mice. <i>Biochemical and Biophysical Research Communications</i> , 2002, 295, 1156-1159.	1.0	153
11	Fibroblast growth factor 21 is induced by endoplasmic reticulum stress. <i>Biochimie</i> , 2013, 95, 692-699.	1.3	141
12	Cytoplasmic fatty acid-binding protein facilitates fatty acid utilization by skeletal muscle. <i>Acta Physiologica Scandinavica</i> , 2003, 178, 367-371.	2.3	137
13	The hepatic response to FGF19 is impaired in patients with nonalcoholic fatty liver disease and insulin resistance. <i>American Journal of Physiology - Renal Physiology</i> , 2010, 298, G440-G445.	1.6	132
14	Evolution of the family of intracellular lipid binding proteins in vertebrates. <i>Molecular and Cellular Biochemistry</i> , 2002, 239, 69-77.	1.4	127
15	Alterations of Hormonally Active Fibroblast Growth Factors after Roux-en-Y Gastric Bypass Surgery. <i>Digestive Diseases</i> , 2011, 29, 48-51.	0.8	118
16	The human gallbladder secretes fibroblast growth factor 19 into bile: Towards defining the role of fibroblast growth factor 19 in the enterobiliary tract. <i>Hepatology</i> , 2012, 55, 575-583.	3.6	111
17	Cellular fatty acid transport in heart and skeletal muscle as facilitated by proteins. <i>Lipids</i> , 1999, 34, S169-S175.	0.7	107
18	Bile acids drive the newborn's gut microbiota maturation. <i>Nature Communications</i> , 2020, 11, 3692.	5.8	100

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19	Effect of ursodeoxycholic acid on bile acid profiles and intestinal detoxification machinery in primary biliary cirrhosis and health. <i>Journal of Hepatology</i> , 2012, 57, 133-140.	1.8	97
20	Liver resection for cancer: New developments in prediction, prevention and management of postresectional liver failure. <i>Journal of Hepatology</i> , 2016, 65, 1217-1231.	1.8	96
21	Apolipoprotein A-V, triglycerides and risk of coronary artery disease: the prospective Epic-Norfolk Population Study. <i>Journal of Lipid Research</i> , 2006, 47, 2064-2070.	2.0	84
22	Systematic review of the influence of chemotherapy-associated liver injury on outcome after partial hepatectomy for colorectal liver metastases. <i>British Journal of Surgery</i> , 2017, 104, 990-1002.	0.1	84
23	Inhibition of mutant IDH1 decreases D-2-HG levels without affecting tumorigenic properties of chondrosarcoma cell lines. <i>Oncotarget</i> , 2015, 6, 12505-12519.	0.8	81
24	Relation between hepatic expression of ATP-binding cassette transporters G5 and G8 and biliary cholesterol secretion in mice. <i>Journal of Hepatology</i> , 2003, 38, 710-716.	1.8	78
25	Fatty acid-binding proteins in the heart. <i>Molecular and Cellular Biochemistry</i> , 1998, 180, 43-51.	1.4	77
26	Mutations in the Isocitrate Dehydrogenase Genes IDH1 and IDH2 in Tumors. <i>Advances in Anatomic Pathology</i> , 2013, 20, 32-38.	2.4	73
27	Interactions between bile salts, gut microbiota, and hepatic innate immunity. <i>Immunological Reviews</i> , 2017, 279, 23-35.	2.8	73
28	Plasma apoAV levels are markedly elevated in severe hypertriglyceridemia and positively correlated with the APOA5 S19W polymorphism. <i>Atherosclerosis</i> , 2007, 193, 129-134.	0.4	71
29	The gut-liver axis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013, 16, 576-581.	1.3	67
30	Thyroid Hormone Regulates the Hypotriglyceridemic Gene APOA5. <i>Journal of Biological Chemistry</i> , 2005, 280, 27533-27543.	1.6	64
31	Effects of Six <i>APOA5</i> Variants, Identified in Patients With Severe Hypertriglyceridemia, on In Vitro Lipoprotein Lipase Activity and Receptor Binding. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2008, 28, 1866-1871.	1.1	59
32	Accuracy of prediction scores and novel biomarkers for predicting nonalcoholic fatty liver disease in obese children. <i>Obesity</i> , 2013, 21, 583-590.	1.5	57
33	Calorie restriction and Roux- <i>Y</i> gastric bypass have opposing effects on circulating <i>FGF</i> >21 in morbidly obese subjects. <i>Clinical Endocrinology</i> , 2014, 81, 862-870.	1.2	57
34	Evidence for a complex relationship between apoA-V and apoC-III in patients with severe hypertriglyceridemia. <i>Journal of Lipid Research</i> , 2006, 47, 2333-2339.	2.0	52
35	Novel serum and bile protein markers predict primary sclerosing cholangitis disease severity and prognosis. <i>Journal of Hepatology</i> , 2017, 66, 1214-1222.	1.8	51
36	Hypertriglyceridaemia and low plasma HDL in a patient with apolipoprotein A-V deficiency due to a novel mutation in the <i>APOA5</i> gene. <i>Journal of Internal Medicine</i> , 2008, 263, 450-458.	2.7	50

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37	A novel sequence variant in APOA5 gene found in patients with severe hypertriglyceridemia. <i>Atherosclerosis</i> , 2006, 188, 215-217.	0.4	47
38	Cathepsin D regulates lipid metabolism in murine steatohepatitis. <i>Scientific Reports</i> , 2017, 7, 3494.	1.6	47
39	Effect of wheat bran derived prebiotic supplementation on gastrointestinal transit, gut microbiota, and metabolic health: a randomized controlled trial in healthy adults with a slow gut transit. <i>Gut Microbes</i> , 2020, 12, 1704141.	4.3	46
40	Evolution of the family of intracellular lipid binding proteins in vertebrates. <i>Molecular and Cellular Biochemistry</i> , 2002, 239, 69-77.	1.4	46
41	Role of fibroblast growth factor 19 in the control of glucose homeostasis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012, 15, 386-391.	1.3	40
42	Prevention and reversal of hepatic steatosis with a high-protein diet in mice. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 685-695.	1.8	40
43	Diosgenin-induced biliary cholesterol secretion in mice requires Abcg8. <i>Hepatology</i> , 2005, 41, 141-150.	3.6	38
44	Molecular cloning of fatty acid-transport protein cDNA from rat. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997, 1354, 29-34.	2.4	37
45	Cholic acid therapy in Zellweger spectrum disorders. <i>Journal of Inherited Metabolic Disease</i> , 2016, 39, 859-868.	1.7	37
46	Elevated interleukin-8 in bile of patients with primary sclerosing cholangitis. <i>Liver International</i> , 2016, 36, 1370-1377.	1.9	34
47	Hepatocyte Nuclear Factor-4 $\alpha$ Regulates the Human Apolipoprotein AV Gene: Identification of a Novel Response Element and Involvement in the Control by Peroxisome Proliferator-Activated Receptor- $\gamma$ 3 Coactivator-1 $\alpha$ , AMP-Activated Protein Kinase, and Mitogen-Activated Protein Kinase Pathway. <i>Molecular Endocrinology</i> , 2005, 19, 3107-3125.	3.7	32
48	Non-canonical Wnt signalling regulates scarring in biliary disease via the planar cell polarity receptors. <i>Nature Communications</i> , 2020, 11, 445.	5.8	31
49	The role of bile salts in liver regeneration. <i>Hepatology International</i> , 2016, 10, 733-740.	1.9	28
50	Determinants of plasma apolipoprotein A $\alpha$ and <i>APOA5</i> gene transcripts in humans. <i>Journal of Internal Medicine</i> , 2008, 264, 452-462.	2.7	27
51	Serum Autotaxin Activity Correlates With Pruritus in Pediatric Cholestatic Disorders. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016, 62, 530-535.	0.9	27
52	Fatty acid-binding proteins in the heart. <i>Molecular and Cellular Biochemistry</i> , 1998, 180, 43-51.	1.4	26
53	Pharmacological Activation of the Bile Acid Nuclear Farnesoid X Receptor Is Feasible in Patients with Quiescent Crohn's Colitis. <i>PLoS ONE</i> , 2012, 7, e49706.	1.1	22
54	Yin Yang 1 and farnesoid X receptor: a balancing act in non-alcoholic fatty liver disease?. <i>Gut</i> , 2014, 63, 1-2.	6.1	22

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55	FXR agonist obeticholic acid induces liver growth but exacerbates biliary injury in rats with obstructive cholestasis. <i>Scientific Reports</i> , 2018, 8, 16529.	1.6	22
56	Cross-Species Molecular Imaging of Bile Salts and Lipids in Liver: Identification of Molecular Structural Markers in Health and Disease. <i>Analytical Chemistry</i> , 2018, 90, 11835-11846.	3.2	22
57	Apolipoprotein AV does not contribute to hypertriglyceridaemia or triglyceride lowering by dietary fish oil and rosiglitazone in obese Zucker rats. <i>Diabetologia</i> , 2006, 49, 1324-1332.	2.9	19
58	The cholic acid extension study in Zellweger spectrum disorders: Results and implications for therapy. <i>Journal of Inherited Metabolic Disease</i> , 2019, 42, 303-312.	1.7	18
59	Can Plasma Bile Salt, Triglycerides, and apoA <sup>IV</sup> Levels Predict Liver Regeneration?. <i>World Journal of Surgery</i> , 2012, 36, 2901-2908.	0.8	17
60	One-step purification of rat heart-type fatty acid-binding protein expressed in <i>Escherichia coli</i> . <i>Biomedical Applications</i> , 1996, 679, 61-67.	1.7	16
61	Bile salts predict liver regeneration in rabbit model of portal vein embolization. <i>Journal of Surgical Research</i> , 2012, 178, 773-778.	0.8	16
62	Intestinal failure to produce FGF19: A culprit in intestinal failure-associated liver disease?. <i>Journal of Hepatology</i> , 2015, 62, 1231-1233.	1.8	16
63	Prolonged fibroblast growth factor 19 response in patients with primary sclerosing cholangitis after an oral chenodeoxycholic acid challenge. <i>Hepatology International</i> , 2017, 11, 132-140.	1.9	16
64	The role of macrophages in the development of biliary injury in a lipopolysaccharide-aggravated hepatic ischaemia-reperfusion model. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 1284-1292.	1.8	15
65	Estrogen induced hypertriglyceridemia in an apolipoprotein AV deficient patient. <i>Journal of Internal Medicine</i> , 2008, 263, 107-108.	2.7	14
66	Integrative <sup>1</sup> H-NMR Analysis in Primary Human Hepatocytes Unravels Persistent Mechanisms of Cyclosporine A-Induced Cholestasis. <i>Chemical Research in Toxicology</i> , 2016, 29, 2164-2174.	1.7	14
67	Effects of acute dietary weight loss on postprandial plasma bile acid responses in obese insulin resistant subjects. <i>Clinical Nutrition</i> , 2017, 36, 1615-1620.	2.3	14
68	Plasma apolipoprotein AV levels in mice are positively associated with plasma triglyceride levels. <i>Journal of Lipid Research</i> , 2009, 50, 880-884.	2.0	13
69	Duodenal-jejunal lining increases postprandial unconjugated bile acid responses and disrupts the bile acid-FXR-FGF19 axis in humans. <i>Metabolism: Clinical and Experimental</i> , 2019, 93, 25-32.	1.5	13
70	Effect of obeticholic acid on liver regeneration following portal vein embolization in an experimental model. <i>British Journal of Surgery</i> , 2017, 104, 590-599.	0.1	12
71	Parenteral nutrition dysregulates bile salt homeostasis in a rat model of parenteral nutrition-associated liver disease. <i>Clinical Nutrition</i> , 2017, 36, 1403-1410.	2.3	12
72	Low circulating concentrations of citrulline and FGF19 predict chronic cholestasis and poor survival in adult patients with chronic intestinal failure: development of a Model for End-Stage Intestinal Failure (MESIF risk score). <i>American Journal of Clinical Nutrition</i> , 2019, 109, 1620-1629.	2.2	12

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73	Apolipoprotein A5 deficiency aggravates high-fat diet-induced obesity due to impaired central regulation of food intake. <i>FASEB Journal</i> , 2013, 27, 3354-3362.	0.2	11
74	Impact of Global Fxr Deficiency on Experimental Acute Pancreatitis and Genetic Variation in the FXR Locus in Human Acute Pancreatitis. <i>PLoS ONE</i> , 2014, 9, e114393.	1.1	10
75	Validation of gene expression profiles from cholestatic hepatotoxicants in vitro against human in vivo cholestasis. <i>Toxicology in Vitro</i> , 2017, 44, 322-329.	1.1	10
76	Duodenal mucosal resurfacing with a GLP-1 receptor agonist increases postprandial unconjugated bile acids in patients with insulin-dependent type 2 diabetes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2022, 322, E132-E140.	1.8	10
77	Prometheus™ little helper, a novel role for fibroblast growth factor 15 in compensatory liver growth. <i>Journal of Hepatology</i> , 2013, 59, 1121-1123.	1.8	9
78	The influence of chemotherapy-associated sinusoidal dilatation on short-term outcome after partial hepatectomy for colorectal liver metastases: A systematic review with meta-analysis. <i>Surgical Oncology</i> , 2016, 25, 298-307.	0.8	9
79	Differential effects of a 40-hour fast and bile acid supplementation on human GLP-1 and FGF19 responses. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E494-E502.	1.8	9
80	Parenteral nutrition impairs plasma bile acid and gut hormone responses to mixed meal testing in lean healthy men. <i>Clinical Nutrition</i> , 2021, 40, 1013-1021.	2.3	9
81	Chyme Reinfusion Restores the Regulatory Bile Salt-FGF19 Axis in Patients With Intestinal Failure. <i>Hepatology</i> , 2021, 74, 2670-2683.	3.6	8
82	The portal-drained viscera release fibroblast growth factor 19 in humans. <i>Physiological Reports</i> , 2016, 4, e13037.	0.7	7
83	Gallbladder Dyskinesia Is Associated With an Impaired Postprandial Fibroblast Growth Factor 19 Response in Critically Ill Patients. <i>Hepatology</i> , 2019, 70, 308-318.	3.6	7
84	Postprandial rise of essential amino acids is impaired during critical illness and unrelated to small-intestinal function. <i>Journal of Parenteral and Enteral Nutrition</i> , 2022, 46, 114-122.	1.3	7
85	Cholangiocarcinoma, gone without the Wnt?. <i>World Journal of Hepatology</i> , 2016, 8, 1093.	0.8	7
86	New Kids on the Block: Bile Salt Conjugates of Microbial Origin. <i>Metabolites</i> , 2022, 12, 176.	1.3	7
87	Validation of the peak bilirubin criterion for outcome after partial hepatectomy. <i>Hpb</i> , 2016, 18, 806-812.	0.1	6
88	Effect of Plasmapheresis on Cholestatic Pruritus and Autotaxin Activity During Pregnancy. <i>Hepatology</i> , 2019, 69, 2707-2710.	3.6	6
89	ApoE2-associated hypertriglyceridemia is ameliorated by increased levels of apoA-V but unaffected by apoC-III deficiency. <i>Journal of Lipid Research</i> , 2008, 49, 1048-1055.	2.0	5
90	Efficient lowering of triglyceride levels in mice by human apoAV protein variants associated with hypertriglyceridemia. <i>Biochemical and Biophysical Research Communications</i> , 2009, 379, 542-546.	1.0	5

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91	Ring Trial on Quantitative Assessment of Bile Acids Reveals a Method- and Analyte-Specific Accuracy and Reproducibility. <i>Metabolites</i> , 2022, 12, 583.	1.3	5
92	Changes in Hepatic ApoAV Expression are not Required for the Rapid Triglyceride Lowering Effect of Fish Oil Diet in Rats. <i>Hormone and Metabolic Research</i> , 2008, 40, 69-71.	0.7	4
93	Low-Dose Lipopolysaccharide Causes Biliary Injury by Blood Biliary Barrier Impairment in a Rat Hepatic Ischemia/Reperfusion Model. <i>Liver Transplantation</i> , 2017, 23, 194-206.	1.3	4
94	Unaltered Liver Regeneration in Post-Cholestatic Rats Treated with the FXR Agonist Obeticholic Acid. <i>Biomolecules</i> , 2021, 11, 260.	1.8	4
95	Bile Salt and FGF19 Signaling in the Early Phase of Human Liver Regeneration. <i>Hepatology Communications</i> , 2021, 5, 1400-1411.	2.0	4
96	Fibroblast Growth Factor 19, an Anticholestatic Drug Produced by Human Liver. <i>Gastroenterology</i> , 2012, 142, e29-e30.	0.6	3
97	How sweet it is to activate FXR. <i>Hepatology</i> , 2014, 59, 1665-1667.	3.6	3
98	Pituitary TSH controls bile salt synthesis. <i>Journal of Hepatology</i> , 2015, 62, 1005-1007.	1.8	3
99	Gut Microbes Take It to the Next Level? First Insights Into Farnesoid X Receptor Agonists of Microbial Origin. <i>Hepatology</i> , 2020, 72, 1483-1485.	3.6	3
100	FXR agonism protects against liver injury in a rat model of intestinal failure-associated liver disease. <i>Journal of Clinical and Translational Research</i> , 2018, 3, 318-327.	0.3	3
101	Pandora's box opens for cholestatic liver disease. <i>Hepatology</i> , 2016, 63, 694-696.	3.6	2
102	Chronic elevation of plasma fibroblast growth factor 19 in long-term farnesoid X receptor agonist therapy, a happy marriage or cause for oncological concern?. <i>Hepatology</i> , 2018, 67, 782-784.	3.6	2
103	The cholic acid extension study in Zellweger spectrum disorders: results and implications for therapy. <i>Journal of Inherited Metabolic Disease</i> , 2018, , .	1.7	2
104	The Role of Brown Adipose Tissue in the Development and Treatment of Nonalcoholic Steatohepatitis: An Exploratory Gene Expression Study in Mice. <i>Hormone and Metabolic Research</i> , 2020, 52, 869-876.	0.7	2
105	Hepatic Steatosis Contributes to the Development of Muscle Atrophy via Inter-Organ Crosstalk. <i>Frontiers in Endocrinology</i> , 2021, 12, 733625.	1.5	2
106	Differential Effects of One Meal per Day in the Evening on Metabolic Health and Physical Performance in Lean Individuals. <i>Frontiers in Physiology</i> , 2021, 12, 771944.	1.3	2
107	FXR, intestinal FiXeR of hepatocellular carcinoma?. <i>Hepatology</i> , 2015, 61, 21-23.	3.6	1
108	Corrigendum to: "Effect of ursodeoxycholic acid on bile acid profiles and intestinal detoxification machinery in primary biliary cirrhosis and health" [J Hepatol 2012;57:133-140]. <i>Journal of Hepatology</i> , 2014, 60, 684.	1.8	0

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109	Ophthalmic acid as a read-out for hepatic glutathione metabolism in humans. Journal of Clinical and Translational Research, 2018, 3, 366-374.	0.3	0