

Frank G Schaap

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.

98
papers

4,705
citations

37
h-index

67
g-index

109
ext. papers

5,566
ext. citations

6.4
avg, IF

5.36
L-index

#	Paper	IF	Citations
98	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	24.6	440
97	Bile acid receptors as targets for drug development. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014 , 11, 55-67	24.2	423
96	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, 27941-7	5.4	225
95	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, 1228-35	11.2	205
94	Serum autotaxin is increased in pruritus of cholestasis, but not of other origin, and responds to therapeutic interventions. <i>Hepatology</i> , 2012 , 56, 1391-400	11.2	174
93	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, 329-37	15.7	174
92	The ascending pathophysiology of cholestatic liver disease. <i>Hepatology</i> , 2017 , 65, 722-738	11.2	141
91	Adenoviral overexpression of apolipoprotein A-V reduces serum levels of triglycerides and cholesterol in mice. <i>Biochemical and Biophysical Research Communications</i> , 2002 , 295, 1156-9	3.4	139
90	Sodium taurocholate cotransporting polypeptide (SLC10A1) deficiency: conjugated hypercholanemia without a clear clinical phenotype. <i>Hepatology</i> , 2015 , 61, 260-7	11.2	130
89	Fibroblast growth factor 21 is induced by endoplasmic reticulum stress. <i>Biochimie</i> , 2013 , 95, 692-9	4.6	122
88	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, G440-5	5.1	106
87	Alterations of hormonally active fibroblast growth factors after Roux-en-Y gastric bypass surgery. <i>Digestive Diseases</i> , 2011 , 29, 48-51	3.2	106
86	Evolution of the family of intracellular lipid binding proteins in vertebrates. <i>Molecular and Cellular Biochemistry</i> , 2002 , 239, 69-77	4.2	105
85	Cytoplasmic fatty acid-binding protein facilitates fatty acid utilization by skeletal muscle. <i>Acta Physiologica Scandinavica</i> , 2003 , 178, 367-71		105
84	Distinct fecal and oral microbiota composition in human type 1 diabetes, an observational study. <i>PLoS ONE</i> , 2017 , 12, e0188475	3.7	96
83	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, 575-83	11.2	95
82	Cellular fatty acid transport in heart and skeletal muscle as facilitated by proteins. <i>Lipids</i> , 1999 , 34 Suppl, S169-75	1.6	91

81	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, 133-40	13.4	78
80	Apolipoprotein A-V, triglycerides and risk of coronary artery disease: the prospective Epic-Norfolk Population Study. <i>Journal of Lipid Research</i> , 2006 , 47, 2064-70	6.3	76
79	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, 710-6	13.4	72
78	Fatty acid-binding proteins in the heart. <i>Molecular and Cellular Biochemistry</i> , 1998 , 180, 43-51	4.2	67
77	Plasma apoAV levels are markedly elevated in severe hypertriglyceridemia and positively correlated with the APOA5 S19W polymorphism. <i>Atherosclerosis</i> , 2007 , 193, 129-34	3.1	65
76	Inhibition of mutant IDH1 decreases D-2-HG levels without affecting tumorigenic properties of chondrosarcoma cell lines. <i>Oncotarget</i> , 2015 , 6, 12505-19	3.3	65
75	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	5.3	62
74	Mutations in the isocitrate dehydrogenase genes IDH1 and IDH2 in tumors. <i>Advances in Anatomic Pathology</i> , 2013 , 20, 32-8	5.1	62
73	Effects of six APOA5 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, 1866-71	9.4	57
72	Liver resection for cancer: New developments in prediction, prevention and management of postresectional liver failure. <i>Journal of Hepatology</i> , 2016 , 65, 1217-1231	13.4	56
71	Thyroid hormone regulates the hypotriglyceridemic gene APOA5. <i>Journal of Biological Chemistry</i> , 2005 , 280, 27533-43	5.4	51
70	Evidence for a complex relationship between apoA-V and apoC-III in patients with severe hypertriglyceridemia. <i>Journal of Lipid Research</i> , 2006 , 47, 2333-9	6.3	50
69	Calorie restriction and Roux-en-Y gastric bypass have opposing effects on circulating FGF21 in morbidly obese subjects. <i>Clinical Endocrinology</i> , 2014 , 81, 862-70	3.4	45
68	Accuracy of prediction scores and novel biomarkers for predicting nonalcoholic fatty liver disease in obese children. <i>Obesity</i> , 2013 , 21, 583-90	8	45
67	The gut-liver axis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 576-81	3.8	42
66	Hypertriglyceridaemia and low plasma HDL in a patient with apolipoprotein A-V deficiency due to a novel mutation in the APOA5 gene. <i>Journal of Internal Medicine</i> , 2008 , 263, 450-8	10.8	42
65	Bile acids drive the newborn gut microbiota maturation. <i>Nature Communications</i> , 2020 , 11, 3692	17.4	42
64	Interactions between bile salts, gut microbiota, and hepatic innate immunity. <i>Immunological Reviews</i> , 2017 , 279, 23-35	11.3	40

63	A novel sequence variant in APOA5 gene found in patients with severe hypertriglyceridemia. <i>Atherosclerosis</i> , 2006 , 188, 215-7	3.1	40
62	Evolution of the family of intracellular lipid binding proteins in vertebrates. <i>Molecular and Cellular Biochemistry</i> , 2002 , 239, 69-77	4.2	39
61	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, 685-95	6.9	36
60	Novel serum and bile protein markers predict primary sclerosing cholangitis disease severity and prognosis. <i>Journal of Hepatology</i> , 2017 , 66, 1214-1222	13.4	34
59	Cholic acid therapy in Zellweger spectrum disorders. <i>Journal of Inherited Metabolic Disease</i> , 2016 , 39, 859-868	5.4	33
58	Diosgenin-induced biliary cholesterol secretion in mice requires Abcg8. <i>Hepatology</i> , 2005 , 41, 141-50	11.2	33
57	Molecular cloning of fatty acid-transport protein cDNA from rat. <i>Biochimica Et Biophysica Acta Gene Regulatory Mechanisms</i> , 1997 , 1354, 29-34		31
56	Hepatocyte nuclear factor-4alpha regulates the human apolipoprotein AV gene: identification of a novel response element and involvement in the control by peroxisome proliferator-activated receptor-gamma coactivator-1alpha, AMP-activated protein kinase, and mitogen-activated protein kinase pathway. <i>Molecular Endocrinology</i> , 2005 , 19, 3107-25		31
55	Cathepsin D regulates lipid metabolism in murine steatohepatitis. <i>Scientific Reports</i> , 2017 , 7, 3494	4.9	29
54	Role of fibroblast growth factor 19 in the control of glucose homeostasis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2012 , 15, 386-91	3.8	29
53	Elevated interleukin-8 in bile of patients with primary sclerosing cholangitis. <i>Liver International</i> , 2016 , 36, 1370-7	7.9	27
52	Determinants of plasma apolipoprotein A-V and APOA5 gene transcripts in humans. <i>Journal of Internal Medicine</i> , 2008 , 264, 452-62	10.8	26
51	The role of bile salts in liver regeneration. <i>Hepatology International</i> , 2016 , 10, 733-40	8.8	22
50	Serum Autotaxin Activity Correlates With Pruritus in Pediatric Cholestatic Disorders. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2016 , 62, 530-5	2.8	21
49	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	8.8	18
48	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	3.7	18
47	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, 1324-32	10.3	18
46	Fatty acid-binding proteins in the heart. <i>Molecular and Cellular Biochemistry</i> , 1998 , 180, 43-51	4.2	17

45	Non-canonical Wnt signalling regulates scarring in biliary disease via the planar cell polarity receptors. <i>Nature Communications</i> , 2020 , 11, 445	17.4	15
44	Bile salts predict liver regeneration in rabbit model of portal vein embolization. <i>Journal of Surgical Research</i> , 2012 , 178, 773-8	2.5	15
43	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	7.8	15
42	Integrative "-Omics" Analysis in Primary Human Hepatocytes Unravels Persistent Mechanisms of Cyclosporine A-Induced Cholestasis. <i>Chemical Research in Toxicology</i> , 2016 , 29, 2164-2174	4	14
41	Can plasma bile salt, triglycerides, and apoA-V levels predict liver regeneration?. <i>World Journal of Surgery</i> , 2012 , 36, 2901-8	3.3	14
40	Plasma apolipoprotein AV levels in mice are positively associated with plasma triglyceride levels. <i>Journal of Lipid Research</i> , 2009 , 50, 880-4	6.3	13
39	FXR agonist obeticholic acid induces liver growth but exacerbates biliary injury in rats with obstructive cholestasis. <i>Scientific Reports</i> , 2018 , 8, 16529	4.9	13
38	Estrogen induced hypertriglyceridemia in an apolipoprotein AV deficient patient. <i>Journal of Internal Medicine</i> , 2008 , 263, 107-8	10.8	12
37	One-step purification of rat heart-type fatty acid-binding protein expressed in Escherichia coli. <i>Biomedical Applications</i> , 1996 , 679, 61-7		12
36	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	5.4	11
35	Parenteral nutrition dysregulates bile salt homeostasis in a rat model of parenteral nutrition-associated liver disease. <i>Clinical Nutrition</i> , 2017 , 36, 1403-1410	5.9	10
34	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	8.8	10
33	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	5.9	9
32	Yin Yang 1 and farnesoid X receptor: a balancing act in non-alcoholic fatty liver disease?. <i>Gut</i> , 2014 , 63, 1-2	19.2	9
31	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	5.3	8
30	Apolipoprotein A5 deficiency aggravates high-fat diet-induced obesity due to impaired central regulation of food intake. <i>FASEB Journal</i> , 2013 , 27, 3354-62	0.9	8
29	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	2.5	7
28	Prometheus little helper, a novel role for fibroblast growth factor 15 in compensatory liver growth. <i>Journal of Hepatology</i> , 2013 , 59, 1121-3	13.4	7

27	Validation of gene expression profiles from cholestatic hepatotoxicants in vitro against human in vivo cholestasis. <i>Toxicology in Vitro</i> , 2017 , 44, 322-329	3.6	7
26	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	3.7	7
25	The portal-drained viscera release fibroblast growth factor 19 in humans. <i>Physiological Reports</i> , 2016 , 4, e13037	2.6	7
24	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	12.7	5
23	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	7	5
22	Efficient lowering of triglyceride levels in mice by human apoAV protein variants associated with hypertriglyceridemia. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 379, 542-6	3.4	5
21	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	6.9	4
20	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	6	4
19	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	4.5	4
18	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, 1048-55	6.3	4
17	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	3.1	4
16	Gallbladder Dyskinesia Is Associated With an Impaired Postprandial Fibroblast Growth Factor 19 Response in Critically Ill Patients. <i>Hepatology</i> , 2019 , 70, 308-318	11.2	3
15	Fibroblast growth factor 19, an anticholestatic drug produced by human liver. <i>Gastroenterology</i> , 2012 , 142, e29-30	13.3	3
14	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	1.1	3
13	Validation of the peak bilirubin criterion for outcome after partial hepatectomy. <i>Hpb</i> , 2016 , 18, 806-812	3.8	3
12	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	11.2	2
11	Bile Salt and FGF19 Signaling in the Early Phase of Human Liver Regeneration. <i>Hepatology Communications</i> , 2021 , 5, 1400-1411	6	2
10	Effect of Plasmapheresis on Cholestatic Pruritus and Autotaxin Activity During Pregnancy. <i>Hepatology</i> , 2019 , 69, 2707-2710	11.2	2

9	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	5.9	2
8	Unaltered Liver Regeneration in Post-Cholestatic Rats Treated with the FXR Agonist Obeticholic Acid. <i>Biomolecules</i> , 2021 , 11,	5.9	2
7	The cholic acid extension study in Zellweger spectrum disorders: results and implications for therapy. <i>Journal of Inherited Metabolic Disease</i> , 2018 ,	5.4	2
6	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	11.2	1
5	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	3.1	1
4	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	4.6	0
3	Chyme Reinfusion Restores the Regulatory Bile Salt-FGF19 Axis in Patients With Intestinal Failure. <i>Hepatology</i> , 2021 , 74, 2670-2683	11.2	0
2	Ophthalmic acid as a read-out for hepatic glutathione metabolism in humans. <i>Journal of Clinical and Translational Research</i> , 2018 , 3, 366-374	1.1	
1	Hepatic Steatosis Contributes to the Development of Muscle Atrophy Inter-Organ Crosstalk. <i>Frontiers in Endocrinology</i> , 2021 , 12, 733625	5.7	