

Olivier Barbier

List of Publications by Year in Descending Order

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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.

108 papers	4,813 citations	41 h-index	66 g-index
111 ext. papers	5,313 ext. citations	5.5 avg, IF	5.18 L-index

#	Paper	IF	Citations
108	Liquid chromatography coupled to tandem mass spectrometry methods for the selective and sensitive determination of 24S-hydroxycholesterol, its sulfate, and/or glucuronide conjugates in plasma.. <i>Journal of Mass Spectrometry</i> , 2022 , 57, e4827	2.2	0
107	Intestinal UGT1A1 and protection against Irinotecan-induced toxicity in a novel UGT1A1 tissue-specific humanized mouse model. <i>Drug Metabolism and Disposition</i> , 2021 ,	4	1
106	Fish oil replacement prevents, while docosahexaenoic acid-derived protectin DX mitigates end-stage-renal-disease in atherosclerotic diabetic mice. <i>FASEB Journal</i> , 2021 , 35, e21559	0.9	2
105	Dietary fat and low fiber in purified diets differently impact the gut-liver axis to promote obesity-linked metabolic impairments. <i>American Journal of Physiology - Renal Physiology</i> , 2021 , 320, G1014-G1033	5.1	4
104	Bile acids during pregnancy: Trimester variations and associations with glucose homeostasis. <i>Health Science Reports</i> , 2021 , 4, e243	2.2	0
103	Well-Tolerated Amphotericin B Derivatives That Effectively Treat Visceral Leishmaniasis. <i>ACS Infectious Diseases</i> , 2021 , 7, 2472-2482	5.5	
102	Adjunct Fenofibrate Up-regulates Bile Acid Glucuronidation and Improves Treatment Response For Patients With Cholestasis. <i>Hepatology Communications</i> , 2021 , 5, 2035-2051	6	0
101	High-Fat Diet Modulates Hepatic Amyloid β and Cerebrosterol Metabolism in the Triple Transgenic Mouse Model of Alzheimer's Disease. <i>Hepatology Communications</i> , 2021 , 5, 446-460	6	1
100	Differential Role of Liver X Receptor (LXR) and LXR in the Regulation of UDP-Glucuronosyltransferase 1A1 in Humanized Mice. <i>Drug Metabolism and Disposition</i> , 2020 , 48, 255-263	4.3	4
99	Treatment with camu camu () prevents obesity by altering the gut microbiota and increasing energy expenditure in diet-induced obese mice. <i>Gut</i> , 2019 , 68, 453-464	19.2	117
98	The Hepatokine TSK does not affect brown fat thermogenic capacity, body weight gain, and glucose homeostasis. <i>Molecular Metabolism</i> , 2019 , 30, 184-191	8.8	10
97	The hepatokine Tsukushi is released in response to NAFLD and impacts cholesterol homeostasis. <i>JCI Insight</i> , 2019 , 4,	9.9	22
96	Arctic berry extracts target the gut-liver axis to alleviate metabolic endotoxaemia, insulin resistance and hepatic steatosis in diet-induced obese mice. <i>Diabetologia</i> , 2018 , 61, 919-931	10.3	56
95	N-3 Polyunsaturated Fatty Acids Stimulate Bile Acid Detoxification in Human Cell Models. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2018 , 2018, 6031074	2.8	6
94	Urinary Elimination of Bile Acid Glucuronides under Severe Cholestatic Situations: Contribution of Hepatic and Renal Glucuronidation Reactions. <i>Canadian Journal of Gastroenterology and Hepatology</i> , 2018 , 2018, 8096314	2.8	8
93	Effect of S-adenosyl-L-methionine on liver biochemistry and quality of life in patients with primary biliary cholangitis treated with ursodeoxycholic acid. A prospective, open label pilot study. <i>Journal of Gastrointestinal and Liver Diseases</i> , 2018 , 27, 273-279	1.4	15
92	Whey protein hydrolysate and branched-chain amino acids downregulate inflammation-related genes in vascular endothelial cells. <i>Nutrition Research</i> , 2017 , 38, 43-51	4	17

91	H19 promotes cholestatic liver fibrosis by preventing ZEB1-mediated inhibition of epithelial cell adhesion molecule. <i>Hepatology</i> , 2017 , 66, 1183-1196	11.2	97
90	Crypt Organoid Culture as an in Vitro Model in Drug Metabolism and Cytotoxicity Studies. <i>Drug Metabolism and Disposition</i> , 2017 , 45, 748-754	4	28
89	Surgical support during the terrorist attacks in Paris, November 13, 2015: Experience at Bâlin Military Teaching Hospital. <i>Journal of Trauma and Acute Care Surgery</i> , 2017 , 82, 1122-1128	3.3	3
88	Trans Fatty Acids Suppress TNF- α -Induced Inflammatory Gene Expression in Endothelial (HUVEC) and Hepatocellular Carcinoma (HepG2) Cells. <i>Lipids</i> , 2017 , 52, 315-325	1.6	36
87	Treatment with a novel agent combining docosahexaenoate and metformin increases protectin DX and IL-6 production in skeletal muscle and reduces insulin resistance in obese diabetic db/db mice. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 313-319	6.7	12
86	Modulation of the biomarkers of inflammation and oxidative stress by ruminant trans fatty acids and dairy proteins in vascular endothelial cells (HUVEC). <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2017 , 126, 64-71	2.8	13
85	Dairy Product Consumption Interacts with Glucokinase (GCK) Gene Polymorphisms Associated with Insulin Resistance. <i>Journal of Personalized Medicine</i> , 2017 , 7,	3.6	6
84	Long noncoding RNA MEG3 induces cholestatic liver injury by interaction with PTBP1 to facilitate shp mRNA decay. <i>Hepatology</i> , 2017 , 65, 604-615	11.2	118
83	A Study of the Differential Effects of Eicosapentaenoic Acid (EPA) and Docosahexaenoic Acid (DHA) on Gene Expression Profiles of Stimulated Thp-1 Macrophages. <i>Nutrients</i> , 2017 , 9,	6.7	20
82	Reduced Myelination and Increased Glia Reactivity Resulting from Severe Neonatal Hyperbilirubinemia. <i>Molecular Pharmacology</i> , 2016 , 89, 84-93	4.3	18
81	Selective and sensitive quantification of the cytochrome P450 3A4 protein in human liver homogenates through multiple reaction monitoring mass spectrometry. <i>Proteomics</i> , 2016 , 16, 2827-2837	4.8	7
80	Serum Autotaxin is a Marker of the Severity of Liver Injury and Overall Survival in Patients with Cholestatic Liver Diseases. <i>Scientific Reports</i> , 2016 , 6, 30847	4.9	32
79	Effect of n-3 fatty acids on the expression of inflammatory genes in THP-1 macrophages. <i>Lipids in Health and Disease</i> , 2016 , 15, 69	4.4	58
78	Low β -adrenergic receptor level may promote development of castration resistant prostate cancer and altered steroid metabolism. <i>Oncotarget</i> , 2016 , 7, 1878-94	3.3	8
77	Heterozygous Inactivation of the Nuclear Receptor PXR/NR1I2 in a Patient With Anabolic Steroid-Induced Intrahepatic Cholestasis. <i>Hepatitis Monthly</i> , 2016 , 16, e35953	1.8	5
76	Association between Metabolite Profiles, Metabolic Syndrome and Obesity Status. <i>Nutrients</i> , 2016 , 8,	6.7	27
75	Bcl2 is a critical regulator of bile acid homeostasis by dictating Shp and lncRNA H19 function. <i>Scientific Reports</i> , 2016 , 6, 20559	4.9	75
74	UGT2B17 Expedites Progression of Castration-Resistant Prostate Cancers by Promoting Ligand-Independent AR Signaling. <i>Cancer Research</i> , 2016 , 76, 6701-6711	10.1	27

73	Transgenic EB PUFA enrichment alters morphology and gene expression profile in adipose tissue of obese mice: Potential role for protectins. <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, 666-76	12.7	33
72	Multiple roles for UDP-glucuronosyltransferase (UGT)2B15 and UGT2B17 enzymes in androgen metabolism and prostate cancer evolution. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2015 , 145, 187-92	5.1	44
71	Expression of hepatic Fibroblast Growth Factor 19 is enhanced in Primary Biliary Cirrhosis and correlates with severity of the disease. <i>Scientific Reports</i> , 2015 , 5, 13462	4.9	56
70	Liver Expression of Sulphotransferase 2A1 Enzyme Is Impaired in Patients with Primary Sclerosing Cholangitis: Lack of the Response to Enhanced Expression of PXR. <i>Journal of Immunology Research</i> , 2015 , 2015, 571353	4.5	14
69	Associations between branched chain amino acid levels, obesity and cardiometabolic complications. <i>Integrative Obesity and Diabetes</i> , 2015 , 1,		8
68	Prospective evaluation of ursodeoxycholic acid withdrawal in patients with primary sclerosing cholangitis. <i>Hepatology</i> , 2014 , 60, 931-40	11.2	72
67	Cardiometabolic risk factors are influenced by Stearoyl-CoA Desaturase (SCD) -1 gene polymorphisms and n-3 polyunsaturated fatty acid supplementation. <i>Molecular Nutrition and Food Research</i> , 2014 , 58, 1079-86	5.9	19
66	Genome-wide association study of the plasma triglyceride response to an n-3 polyunsaturated fatty acid supplementation. <i>Journal of Lipid Research</i> , 2014 , 55, 1245-53	6.3	38
65	PPAR α Master Regulator of Bilirubin Homeostasis. <i>PPAR Research</i> , 2014 , 2014, 747014	4.3	10
64	Differences in metabolomic and transcriptomic profiles between responders and non-responders to an n-3 polyunsaturated fatty acids (PUFAs) supplementation. <i>Genes and Nutrition</i> , 2013 , 8, 411-23	4.3	31
63	Intestinal glucuronidation protects against chemotherapy-induced toxicity by irinotecan (CPT-11). <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013 , 110, 19143-8	11.5	78
62	Nuclear receptors and endobiotics glucuronidation: the good, the bad, and the UGT. <i>Drug Metabolism Reviews</i> , 2013 , 45, 34-47	7	16
61	Transcriptomic and metabolomic signatures of an n-3 polyunsaturated fatty acids supplementation in a normolipidemic/normocholesterolemic Caucasian population. <i>Journal of Nutritional Biochemistry</i> , 2013 , 24, 54-61	6.3	54
60	Androgen glucuronidation: an unexpected target for androgen deprivation therapy, with prognosis and diagnostic implications. <i>Cancer Research</i> , 2013 , 73, 6963-71	10.1	35
59	The Human UDP-glucuronosyltransferase UGT2A1 and UGT2A2 enzymes are highly active in bile acid glucuronidation. <i>Drug Metabolism and Disposition</i> , 2013 , 41, 1616-20	4	24
58	Enantiomer selective glucuronidation of the non-steroidal pure anti-androgen bicalutamide by human liver and kidney: role of the human UDP-glucuronosyltransferase (UGT)1A9 enzyme. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2013 , 113, 92-102	3.1	13
57	Role of glucuronidation for hepatic detoxification and urinary elimination of toxic bile acids during biliary obstruction. <i>PLoS ONE</i> , 2013 , 8, e80994	3.7	23
56	Metabolomic profiling of 17 bile acids in serum from patients with primary biliary cirrhosis and primary sclerosing cholangitis: a pilot study. <i>Digestive and Liver Disease</i> , 2012 , 44, 303-10	3.3	92

55	Differential expression of the androgen-conjugating UGT2B15 and UGT2B17 enzymes in prostate tumor cells during cancer progression. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2012 , 97, E428-32	5.6	35
54	Profiling circulating and urinary bile acids in patients with biliary obstruction before and after biliary stenting. <i>PLoS ONE</i> , 2011 , 6, e22094	3.7	66
53	The human UGT1A3 enzyme conjugates norursodeoxycholic acid into a C23-ester glucuronide in the liver. <i>Journal of Biological Chemistry</i> , 2010 , 285, 1113-21	5.4	18
52	Plasma estrone sulfate assay in men: Comparison of radioimmunoassay, mass spectrometry coupled to gas chromatography (GC-MS), and liquid chromatography-tandem mass spectrometry (LC-MS/MS). <i>Clinica Chimica Acta</i> , 2010 , 411, 1208-13	6.2	21
51	Regulation of endobiotics glucuronidation by ligand-activated transcription factors: physiological function and therapeutic potential. <i>Drug Metabolism Reviews</i> , 2010 , 42, 110-22	7	19
50	Extensive splicing of transcripts encoding the bile acid-conjugating enzyme UGT2B4 modulates glucuronidation. <i>Pharmacogenetics and Genomics</i> , 2010 , 20, 195-210	1.9	18
49	PPARalpha L162V polymorphism alters the potential of n-3 fatty acids to increase lipoprotein lipase activity. <i>Molecular Nutrition and Food Research</i> , 2010 , 54, 543-50	5.9	20
48	Differences in transcriptional activation by the two allelic (L162V Polymorphic) variants of PPAR α after Omega-3 fatty acids treatment. <i>PPAR Research</i> , 2009 , 2009, 369602	4.3	12
47	Lipid-activated transcription factors control bile acid glucuronidation. <i>Molecular and Cellular Biochemistry</i> , 2009 , 326, 3-8	4.2	50
46	Inactivation of androgens by UDP-glucuronosyltransferases in the human prostate. <i>Best Practice and Research in Clinical Endocrinology and Metabolism</i> , 2008 , 22, 259-70	6.5	59
45	Inactivation by UDP-glucuronosyltransferase enzymes: the end of androgen signaling. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2008 , 109, 247-53	5.1	73
44	Calcitrol (1alpha,25-dihydroxyvitamin D3) inhibits androgen glucuronidation in prostate cancer cells. <i>Molecular Cancer Therapeutics</i> , 2008 , 7, 380-90	6.1	28
43	Activators of the farnesoid X receptor negatively regulate androgen glucuronidation in human prostate cancer LNCAP cells. <i>Biochemical Journal</i> , 2008 , 410, 245-53	3.8	41
42	Reply:. <i>Hepatology</i> , 2007 , 45, 1084-1085	11.2	2
41	UDP-glucuronosyltransferase 2B15 (UGT2B15) and UGT2B17 enzymes are major determinants of the androgen response in prostate cancer LNCaP cells. <i>Journal of Biological Chemistry</i> , 2007 , 282, 33466-33474	5.4	83
40	Expression of the human UGT1 locus in transgenic mice by 4-chloro-6-(2,3-xylidino)-2-pyrimidinylthioacetic acid (WY-14643) and implications on drug metabolism through peroxisome proliferator-activated receptor alpha activation. <i>Drug Metabolism and Disposition</i> , 2007 , 35, 419-27	4	96
39	A pharmacogenomics study of the human estrogen glucuronosyltransferase UGT1A3. <i>Pharmacogenetics and Genomics</i> , 2007 , 17, 481-95	1.9	33
38	The liver X-receptor alpha controls hepatic expression of the human bile acid-glucuronidating UGT1A3 enzyme in human cells and transgenic mice. <i>Hepatology</i> , 2006 , 44, 368-78	11.2	58

37	Human UDP-glucuronosyltransferase (UGT)1A3 enzyme conjugates chenodeoxycholic acid in the liver. <i>Hepatology</i> , 2006 , 44, 1158-70	11.2	94
36	Isoform-specific regulation of uridine diphosphate-glucuronosyltransferase 2B enzymes in the human prostate: differential consequences for androgen and bioactive lipid inactivation. <i>Endocrinology</i> , 2006 , 147, 5431-42	4.8	43
35	Inactivation of the pure antiestrogen fulvestrant and other synthetic estrogen molecules by UDP-glucuronosyltransferase 1A enzymes expressed in breast tissue. <i>Molecular Pharmacology</i> , 2006 , 69, 908-20	4.3	43
34	Acute antiinflammatory properties of statins involve peroxisome proliferator-activated receptor-alpha via inhibition of the protein kinase C signaling pathway. <i>Circulation Research</i> , 2006 , 98, 361-9	15.7	147
33	TREp-132 is a novel progesterone receptor coactivator required for the inhibition of breast cancer cell growth and enhancement of differentiation by progesterone. <i>Molecular and Cellular Biology</i> , 2006 , 26, 7632-44	4.8	25
32	Coordinate regulation of hepatic bile acid oxidation and conjugation by nuclear receptors. <i>Molecular Pharmaceutics</i> , 2006 , 3, 212-22	5.6	47
31	Enzymatic production of bile Acid glucuronides used as analytical standards for liquid chromatography-mass spectrometry analyses. <i>Molecular Pharmaceutics</i> , 2006 , 3, 293-302	5.6	23
30	Hepatic expression of the UGT1A9 gene is governed by hepatocyte nuclear factor 4alpha. <i>Molecular Pharmacology</i> , 2005 , 67, 241-9	4.3	56
29	TREp-132 controls cell proliferation by regulating the expression of the cyclin-dependent kinase inhibitors p21WAF1/Cip1 and p27Kip1. <i>Molecular and Cellular Biology</i> , 2005 , 25, 4335-48	4.8	21
28	Tissue-specific, inducible, and hormonal control of the human UDP-glucuronosyltransferase-1 (UGT1) locus. <i>Journal of Biological Chemistry</i> , 2005 , 280, 37547-57	5.4	105
27	PPAR alpha inhibits vascular smooth muscle cell proliferation underlying intimal hyperplasia by inducing the tumor suppressor p16INK4a. <i>Journal of Clinical Investigation</i> , 2005 , 115, 3228-38	15.9	126
26	Glucose regulates the expression of the farnesoid X receptor in liver. <i>Diabetes</i> , 2004 , 53, 890-8	0.9	195
25	Cellular specific expression of the androgen-conjugating enzymes UGT2B15 and UGT2B17 in the human prostate epithelium. <i>Endocrine Research</i> , 2004 , 30, 717-25	1.9	49
24	Genomic and non-genomic interactions of PPARalpha with xenobiotic-metabolizing enzymes. <i>Trends in Endocrinology and Metabolism</i> , 2004 , 15, 324-30	8.8	30
23	The UDP-glucuronosyltransferase 1A9 enzyme is a peroxisome proliferator-activated receptor alpha and gamma target gene. <i>Journal of Biological Chemistry</i> , 2003 , 278, 13975-83	5.4	98
22	Human uridine diphosphate-glucuronosyltransferase UGT2B7 conjugates mineralocorticoid and glucocorticoid metabolites. <i>Endocrinology</i> , 2003 , 144, 2659-68	4.8	29
21	FXR induces the UGT2B4 enzyme in hepatocytes: a potential mechanism of negative feedback control of FXR activity. <i>Gastroenterology</i> , 2003 , 124, 1926-40	13.3	158
20	Farnesoid X receptor agonists suppress hepatic apolipoprotein CIII expression. <i>Gastroenterology</i> , 2003 , 125, 544-55	13.3	210

19	Inactivation of androgens by UDP-glucuronosyltransferase enzymes in humans. <i>Trends in Endocrinology and Metabolism</i> , 2003 , 14, 473-9	8.8	186
18	Peroxisome proliferator-activated receptors: regulation of transcriptional activities and roles in inflammation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 85, 267-73	5.1	233
17	The cynomolgus monkey (<i>Macaca fascicularis</i>) is the best animal model for the study of steroid glucuronidation. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 85, 235-45	5.1	31
16	Peroxisome proliferator-activated receptor alpha induces hepatic expression of the human bile acid glucuronidating UDP-glucuronosyltransferase 2B4 enzyme. <i>Journal of Biological Chemistry</i> , 2003 , 278, 32852-60	5.4	106
15	Transcriptional regulation of human Rev-erbalpha gene expression by the orphan nuclear receptor retinoic acid-related orphan receptor alpha. <i>Journal of Biological Chemistry</i> , 2002 , 277, 49275-81	5.4	55
14	Peroxisome proliferator-activated receptor alpha (PPARalpha) turnover by the ubiquitin-proteasome system controls the ligand-induced expression level of its target genes. <i>Journal of Biological Chemistry</i> , 2002 , 277, 37254-9	5.4	104
13	Isolation and characterization of the monkey UGT2B30 gene that encodes a uridine diphosphate-glucuronosyltransferase enzyme active on mineralocorticoid, glucocorticoid, androgen and oestrogen hormones. <i>Biochemical Journal</i> , 2002 , 365, 213-22	3.8	8
12	The androgen-conjugating uridine diphosphoglucuronosyltransferase-2B enzymes are differentially expressed temporally and spatially in the monkey follicle throughout the menstrual cycle. <i>Endocrinology</i> , 2001 , 142, 2499-507	4.8	6
11	Glucuronidation of the nonsteroidal antiestrogen EM-652 (SCH 57068), by human and monkey steroid conjugating UDP-glucuronosyltransferase enzymes. <i>Molecular Pharmacology</i> , 2001 , 59, 636-45	4.3	15
10	Cellular localization of uridine diphosphoglucuronosyltransferase 2B enzymes in the human prostate by in situ hybridization and immunohistochemistry. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2000 , 85, 4819-26	5.6	43
9	Distribution of uridine diphosphate-glucuronosyltransferase (UGT) expression and activity in cynomolgus monkey tissues: evidence for differential expression of steroid-conjugating UGT enzymes in steroid target tissues. <i>Endocrinology</i> , 2000 , 141, 2472-80	4.8	30
8	N-glycosylation and residue 96 are involved in the functional properties of UDP-glucuronosyltransferase enzymes. <i>Biochemistry</i> , 2000 , 39, 11540-52	3.2	42
7	UGT2B23, a novel uridine diphosphate-glucuronosyltransferase enzyme expressed in steroid target tissues that conjugates androgen and estrogen metabolites. <i>Endocrinology</i> , 1999 , 140, 5538-48	4.8	16
6	Molecular cloning, expression and characterization of a monkey steroid UDP-glucuronosyltransferase, UGT2B19, that conjugates testosterone. <i>FEBS Journal</i> , 1999 , 260, 701-8		26
5	Characterization of UDP-glucuronosyltransferases active on steroid hormones. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1999 , 69, 413-23	5.1	93
4	Cloning and characterization of a simian UDP-glucuronosyltransferase enzyme UGT2B20, a novel C19 steroid-conjugating protein. <i>Biochemical Journal</i> , 1999 , 337, 567-574	3.8	29
3	Cloning and characterization of a simian UDP-glucuronosyltransferase enzyme UGT2B20, a novel C19 steroid-conjugating protein. <i>Biochemical Journal</i> , 1999 , 337, 567	3.8	8
2	Isolation and characterization of a simian UDP-glucuronosyltransferase UGT2B18 active on 3-hydroxyandrogens. <i>Journal of Molecular Biology</i> , 1998 , 275, 785-94	6.5	35

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The Androgen-Conjugating Uridine Diphosphoglucuronosyltransferase-2B Enzymes Are Differentially Expressed Temporally and Spatially in the Monkey Follicle throughout the Menstrual Cycle

1