

# Catherine Postic

## 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.

89 papers	10,155 citations	39 h-index	98 g-index
98 ext. papers	11,393 ext. citations	8.7 avg, IF	6 L-index

#	Paper	IF	Citations
89	Insulin resistance per se drives early and reversible dysbiosis-mediated gut barrier impairment and bactericidal dysfunction.. <i>Molecular Metabolism</i> , <b>2022</b> , 57, 101438	8.8	1
88	Nuclear HMGB1 protects from nonalcoholic fatty liver disease through negative regulation of liver X receptor.. <i>Science Advances</i> , <b>2022</b> , 8, eabg9055	14.3	0
87	Dual regulation of TxNIP by ChREBP and FoxO1 in liver. <i>IScience</i> , <b>2021</b> , 24, 102218	6.1	1
86	Integrative study of diet-induced mouse models of NAFLD identifies PPAR $\alpha$ as a sexually dimorphic drug target. <i>Gut</i> , <b>2021</b> ,	19.2	4
85	The absence of hepatic glucose-6 phosphatase/ChREBP couple is incompatible with survival in mice. <i>Molecular Metabolism</i> , <b>2021</b> , 43, 101108	8.8	2
84	New targets for NAFLD. <i>JHEP Reports</i> , <b>2021</b> , 3, 100346	10.3	10
83	Conversion of a dietary fructose: new clues from the gut microbiome. <i>Nature Metabolism</i> , <b>2020</b> , 2, 217-218	11.6	3
82	Insulin activates hepatic Wnt/ $\beta$ -catenin signaling through stearyl-CoA desaturase 1 and Porcupine. <i>Scientific Reports</i> , <b>2020</b> , 10, 5186	4.9	5
81	Hepatocyte-specific deletion of Ppar $\alpha$ promotes NAFLD in the context of obesity. <i>Scientific Reports</i> , <b>2020</b> , 10, 6489	4.9	25
80	Rôle des hépatokines dans le dialogue inter-organes en physiologie et physiopathologie. <i>Medecine Des Maladies Metaboliques</i> , <b>2020</b> , 14, 345-352	0.1	
79	O-GlcNacylation Links TxNIP to Inflammasome Activation in Pancreatic $\beta$ Cells. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 291	5.7	6
78	Carbohydrate Sensing Through the Transcription Factor ChREBP. <i>Frontiers in Genetics</i> , <b>2019</b> , 10, 472	4.5	57
77	Adipocyte Glucocorticoid Receptor Deficiency Promotes Adipose Tissue Expandability and Improves the Metabolic Profile Under Corticosterone Exposure. <i>Diabetes</i> , <b>2019</b> , 68, 305-317	0.9	16
76	Interaction between hormone-sensitive lipase and ChREBP in fat cells controls insulin sensitivity. <i>Nature Metabolism</i> , <b>2019</b> , 1, 133-146	14.6	26
75	MondoA Is an Essential Glucose-Responsive Transcription Factor in Human Pancreatic $\beta$ Cells. <i>Diabetes</i> , <b>2018</b> , 67, 461-472	0.9	15
74	Liver Reptin/RUVBL2 controls glucose and lipid metabolism with opposite actions on mTORC1 and mTORC2 signalling. <i>Gut</i> , <b>2018</b> , 67, 2192-2203	19.2	12
73	A new pathway to eSCAPE lipotoxicity. <i>Clinics and Research in Hepatology and Gastroenterology</i> , <b>2018</b> , 42, 3-5	2.4	1

72	Insights into the role of hepatocyte PPAR $\gamma$ activity in response to fasting. <i>Molecular and Cellular Endocrinology</i> , <b>2018</b> , 471, 75-88	4.4	29
71	The histone demethylase Phf2 acts as a molecular checkpoint to prevent NAFLD progression during obesity. <i>Nature Communications</i> , <b>2018</b> , 9, 2092	17.4	34
70	Molecular phenomics and metagenomics of hepatic steatosis in non-diabetic obese women. <i>Nature Medicine</i> , <b>2018</b> , 24, 1070-1080	50.5	276
69	MondoA/ChREBP: The usual suspects of transcriptional glucose sensing; Implication in pathophysiology. <i>Metabolism: Clinical and Experimental</i> , <b>2017</b> , 70, 133-151	12.7	20
68	Growth factor receptor binding protein 14 inhibition triggers insulin-induced mouse hepatocyte proliferation and is associated with hepatocellular carcinoma. <i>Hepatology</i> , <b>2017</b> , 65, 1352-1368	11.2	14
67	A Specific ChREBP and PPAR $\gamma$ Cross-Talk Is Required for the Glucose-Mediated FGF21 Response. <i>Cell Reports</i> , <b>2017</b> , 21, 403-416	10.6	66
66	Sweet Sixteenth for ChREBP: Established Roles and Future Goals. <i>Cell Metabolism</i> , <b>2017</b> , 26, 324-341	24.6	101
65	Dietary oleic acid regulates hepatic lipogenesis through a liver X receptor-dependent signaling. <i>PLoS ONE</i> , <b>2017</b> , 12, e0181393	3.7	26
64	Dysregulated CRTC1 activity is a novel component of PGE2 signaling that contributes to colon cancer growth. <i>Oncogene</i> , <b>2016</b> , 35, 2602-14	9.2	27
63	Liver PPAR $\gamma$ is crucial for whole-body fatty acid homeostasis and is protective against NAFLD. <i>Gut</i> , <b>2016</b> , 65, 1202-14	19.2	327
62	Matrix metalloproteinase 11 protects from diabetes and promotes metabolic switch. <i>Scientific Reports</i> , <b>2016</b> , 6, 25140	4.9	14
61	Emerging role of miR-21 in non-alcoholic fatty liver disease. <i>Gut</i> , <b>2016</b> , 65, 1781-1783	19.2	20
60	Novel Grb14-Mediated Cross Talk between Insulin and p62/Nrf2 Pathways Regulates Liver Lipogenesis and Selective Insulin Resistance. <i>Molecular and Cellular Biology</i> , <b>2016</b> , 36, 2168-81	4.8	12
59	Hepatokines: unlocking the multi-organ network in metabolic diseases. <i>Diabetologia</i> , <b>2015</b> , 58, 1699-703	10.3	65
58	Novel role for carbohydrate responsive element binding protein in the control of ethanol metabolism and susceptibility to binge drinking. <i>Hepatology</i> , <b>2015</b> , 62, 1086-100	11.2	38
57	Integration of ChREBP-Mediated Glucose Sensing into Whole Body Metabolism. <i>Physiology</i> , <b>2015</b> , 30, 428-37	9.8	34
56	Gastric bypass surgery in NASH: a major modulator of hepatic mitochondrial dysfunction. <i>Gut</i> , <b>2015</b> , 64, 524-6	19.2	1
55	O-GlcNAcylation Links ChREBP and FXR to Glucose-Sensing. <i>Frontiers in Endocrinology</i> , <b>2014</b> , 5, 230	5.7	20

54	Essential fatty acids deficiency promotes lipogenic gene expression and hepatic steatosis through the liver X receptor. <i>Journal of Hepatology</i> , <b>2013</b> , 58, 984-92	13.4	34
53	Novel insights into ChREBP regulation and function. <i>Trends in Endocrinology and Metabolism</i> , <b>2013</b> , 24, 257-68	8.8	138
52	Farnesoid X receptor inhibits the transcriptional activity of carbohydrate response element binding protein in human hepatocytes. <i>Molecular and Cellular Biology</i> , <b>2013</b> , 33, 2202-11	4.8	83
51	Glucose 6-phosphate, rather than xylulose 5-phosphate, is required for the activation of ChREBP in response to glucose in the liver. <i>Journal of Hepatology</i> , <b>2012</b> , 56, 199-209	13.4	111
50	Hidden variant of ChREBP in fat links lipogenesis to insulin sensitivity. <i>Cell Metabolism</i> , <b>2012</b> , 15, 795-7	24.6	6
49	The lipogenic transcription factor ChREBP dissociates hepatic steatosis from insulin resistance in mice and humans. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 2176-94	15.9	254
48	LRH-1-dependent glucose sensing determines intermediary metabolism in liver. <i>Journal of Clinical Investigation</i> , <b>2012</b> , 122, 2817-26	15.9	77
47	Cross-regulation of hepatic glucose metabolism via ChREBP and nuclear receptors. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , <b>2011</b> , 1812, 995-1006	6.9	60
46	Distinct regulation of adiponutrin/PNPLA3 gene expression by the transcription factors ChREBP and SREBP1c in mouse and human hepatocytes. <i>Journal of Hepatology</i> , <b>2011</b> , 55, 145-53	13.4	102
45	O-GlcNAcylation increases ChREBP protein content and transcriptional activity in the liver. <i>Diabetes</i> , <b>2011</b> , 60, 1399-413	0.9	146
44	Little caves ameliorate hepatic insulin signaling. Focus on "caveolin gene transfer improves glucose metabolism in diabetic mice". <i>American Journal of Physiology - Cell Physiology</i> , <b>2010</b> , 298, C442-5	5.4	2
43	Salt-inducible kinase 2 links transcriptional coactivator p300 phosphorylation to the prevention of ChREBP-dependent hepatic steatosis in mice. <i>Journal of Clinical Investigation</i> , <b>2010</b> , 120, 4316-31	15.9	208
42	Calpain activation is required for homocysteine-mediated hepatic degradation of inhibitor I kappa B alpha. <i>Molecular Genetics and Metabolism</i> , <b>2009</b> , 97, 114-20	3.7	14
41	Role of ChREBP in hepatic steatosis and insulin resistance. <i>FEBS Letters</i> , <b>2008</b> , 582, 68-73	3.8	94
40	The role of the lipogenic pathway in the development of hepatic steatosis. <i>Diabetes and Metabolism</i> , <b>2008</b> , 34, 643-8	5.4	209
39	Contribution of de novo fatty acid synthesis to hepatic steatosis and insulin resistance: lessons from genetically engineered mice. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 829-38	15.9	843
38	The transcription factor COUP-TFII is negatively regulated by insulin and glucose via Foxo1- and ChREBP-controlled pathways. <i>Molecular and Cellular Biology</i> , <b>2008</b> , 28, 6568-79	4.8	33
37	Carbohydrate responsive element binding protein and lipid homeostasis. <i>Current Opinion in Lipidology</i> , <b>2008</b> , 19, 301-6	4.4	18

36	Regulation of glucose sensing in liver: a role for the transcription factor ChREBP. <i>Chemistry and Physics of Lipids</i> , <b>2008</b> , 154, S17	3.7	
35	ChREBP, but not LXRs, is required for the induction of glucose-regulated genes in mouse liver. <i>Journal of Clinical Investigation</i> , <b>2008</b> , 118, 956-64	15.9	142
34	ChREBP, a transcriptional regulator of glucose and lipid metabolism. <i>Annual Review of Nutrition</i> , <b>2007</b> , 27, 179-92	9.9	201
33	Liver-specific inhibition of ChREBP improves hepatic steatosis and insulin resistance in ob/ob mice. <i>Diabetes</i> , <b>2006</b> , 55, 2159-70	0.9	322
32	Transcriptional Regulation of Hepatic Genes by Insulin and Glucose <b>2006</b> , 106-116		
31	Hepatic gene regulation by glucose and polyunsaturated fatty acids: a role for ChREBP. <i>Journal of Nutrition</i> , <b>2006</b> , 136, 1145-9	4.1	60
30	Carbohydrate responsive element binding protein (ChREBP) and sterol regulatory element binding protein-1c (SREBP-1c): two key regulators of glucose metabolism and lipid synthesis in liver. <i>Biochimie</i> , <b>2005</b> , 87, 81-6	4.6	253
29	Overexpression of beta2-adrenergic receptors in mouse liver alters the expression of gluconeogenic and glycolytic enzymes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2005</b> , 288, E715-22	6	28
28	Polyunsaturated fatty acids suppress glycolytic and lipogenic genes through the inhibition of ChREBP nuclear protein translocation. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 2843-54	15.9	223
27	Brain glucagon-like peptide-1 increases insulin secretion and muscle insulin resistance to favor hepatic glycogen storage. <i>Journal of Clinical Investigation</i> , <b>2005</b> , 115, 3554-63	15.9	230
26	Cellular and molecular mechanisms of adipose tissue plasticity in muscle insulin receptor knockout mice. <i>Endocrinology</i> , <b>2004</b> , 145, 1926-32	4.8	39
25	Hepatic glucokinase is required for the synergistic action of ChREBP and SREBP-1c on glycolytic and lipogenic gene expression. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 20314-26	5.4	333
24	Mouse models of insulin resistance and type 2 diabetes. <i>Annales DiEndocrinologie</i> , <b>2004</b> , 65, 51-9	1.7	5
23	Role of the liver in the control of carbohydrate and lipid homeostasis. <i>Diabetes and Metabolism</i> , <b>2004</b> , 30, 398-408	5.4	313
22	Glucokinase gene locus transgenic mice are resistant to the development of obesity-induced type 2 diabetes. <i>Diabetes</i> , <b>2001</b> , 50, 622-9	0.9	55
21	Cell-specific roles of glucokinase in glucose homeostasis. <i>Endocrine Reviews</i> , <b>2001</b> , 56, 195-217		133
20	Use of a Cre/Loxp Strategy in Mice to Determine the Cell-Specific Roles of Glucokinase in Mody-2. <i>Growth Hormone</i> , <b>2001</b> , 351-362		
19	Analysis of the Cre-mediated recombination driven by rat insulin promoter in embryonic and adult mouse pancreas. <i>Genesis</i> , <b>2000</b> , 26, 139-42	1.9	159

18	DNA excision in liver by an albumin-Cre transgene occurs progressively with age. <i>Genesis</i> , <b>2000</b> , 26, 149-50	309
17	Phosphoenolpyruvate carboxykinase is necessary for the integration of hepatic energy metabolism. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 6508-17	4.8 184
16	Hepatocyte-specific mutation establishes retinoid X receptor alpha as a heterodimeric integrator of multiple physiological processes in the liver. <i>Molecular and Cellular Biology</i> , <b>2000</b> , 20, 4436-44	4.8 212
15	Loss of Insulin Signaling in Hepatocytes Leads to Severe Insulin Resistance and Progressive Hepatic Dysfunction. <i>Molecular Cell</i> , <b>2000</b> , 6, 87-97	17.6 951
14	Analysis of the Cre-mediated recombination driven by rat insulin promoter in embryonic and adult mouse pancreas <b>2000</b> , 26, 139	2
13	Adenovirus-mediated knockout of a conditional glucokinase gene in isolated pancreatic islets reveals an essential role for proximal metabolic coupling events in glucose-stimulated insulin secretion. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 1000-4	5.4 53
12	Isolation and characterization of the mouse cytosolic phosphoenolpyruvate carboxykinase (GTP) gene: evidence for tissue-specific hypersensitive sites. <i>Molecular and Cellular Endocrinology</i> , <b>1999</b> , 148, 67-77	4.4 12
11	Tissue-specific knockout of the insulin receptor in pancreatic beta cells creates an insulin secretory defect similar to that in type 2 diabetes. <i>Cell</i> , <b>1999</b> , 96, 329-39	56.2 983
10	Dual roles for glucokinase in glucose homeostasis as determined by liver and pancreatic beta cell-specific gene knock-outs using Cre recombinase. <i>Journal of Biological Chemistry</i> , <b>1999</b> , 274, 305-15	5.4 970
9	Effects of increased glucokinase gene copy number on glucose homeostasis and hepatic glucose metabolism. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 22570-5	5.4 120
8	Effects of altered glucokinase gene copy number on blood glucose homeostasis. <i>Biochemical Society Transactions</i> , <b>1997</b> , 25, 113-7	5.1 14
7	Cell-specific expression and regulation of a glucokinase gene locus transgene. <i>Journal of Biological Chemistry</i> , <b>1997</b> , 272, 22564-9	5.4 38
6	Variable expression of hepatic glucokinase in mice is due to a regulational locus that cosegregates with the glucokinase gene. <i>Genomics</i> , <b>1997</b> , 45, 185-93	4.3 4
5	Cloning and characterization of the mouse glucokinase gene locus and identification of distal liver-specific DNase I hypersensitive sites. <i>Genomics</i> , <b>1995</b> , 29, 740-50	4.3 33
4	Influence of the weaning diet on the changes of glucose metabolism and of insulin sensitivity. <i>Proceedings of the Nutrition Society</i> , <b>1993</b> , 52, 325-33	2.9 7
3	The effects of hyperinsulinemia and hyperglycemia on GLUT4 and hexokinase II mRNA and protein in rat skeletal muscle and adipose tissue. <i>Diabetes</i> , <b>1993</b> , 42, 922-929	0.9 11
2	Adaptations of glucose metabolism in white-fat adipocytes at weaning in the rat are concomitant with specific gene expression. <i>Biochemical Society Transactions</i> , <b>1990</b> , 18, 857-8	5.1 3
1	ATGL-dependent white adipose tissue lipolysis controls hepatocyte PPAR $\alpha$ activity	1

