

# Thierry Alquier

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1519520/publications.pdf>

Version: 2024-02-01

49  
papers

6,711  
citations

159585

30  
h-index

175258

52  
g-index

53  
all docs

53  
docs citations

53  
times ranked

9157  
citing authors

#	ARTICLE	IF	CITATIONS
1	AMP-activated protein kinase: Ancient energy gauge provides clues to modern understanding of metabolism. <i>Cell Metabolism</i> , 2005, 1, 15-25.	16.2	2,541
2	AMP-kinase regulates food intake by responding to hormonal and nutrient signals in the hypothalamus. <i>Nature</i> , 2004, 428, 569-574.	27.8	1,464
3	Diet-induced Obesity Alters AMP Kinase Activity in Hypothalamus and Skeletal Muscle. <i>Journal of Biological Chemistry</i> , 2006, 281, 18933-18941.	3.4	246
4	GPR40 Is Necessary but Not Sufficient for Fatty Acid Stimulation of Insulin Secretion In Vivo. <i>Diabetes</i> , 2007, 56, 1087-1094.	0.6	234
5	The Fatty Acid Receptor GPR40 Plays a Role in Insulin Secretion In Vivo After High-Fat Feeding. <i>Diabetes</i> , 2008, 57, 2432-2437.	0.6	151
6	An Acetate-Specific GPCR, FFAR2, Regulates Insulin Secretion. <i>Molecular Endocrinology</i> , 2015, 29, 1055-1066.	3.7	139
7	Mitochondrial Reactive Oxygen Species Are Required for Hypothalamic Glucose Sensing. <i>Diabetes</i> , 2006, 55, 2084-2090.	0.6	136
8	Deletion of GPR40 Impairs Glucose-Induced Insulin Secretion In Vivo in Mice Without Affecting Intracellular Fuel Metabolism in Islets. <i>Diabetes</i> , 2009, 58, 2607-2615.	0.6	118
9	Lipid receptors and islet function: therapeutic implications?. <i>Diabetes, Obesity and Metabolism</i> , 2009, 11, 10-20.	4.4	101
10	Dampened Mesolimbic Dopamine Function and Signaling by Saturated but not Monounsaturated Dietary Lipids. <i>Neuropsychopharmacology</i> , 2016, 41, 811-821.	5.4	100
11	Leptin Suppresses the Rewarding Effects of Running via STAT3 Signaling in Dopamine Neurons. <i>Cell Metabolism</i> , 2015, 22, 741-749.	16.2	89
12	Role of Hypothalamic Adenosine 5'-Monophosphate-Activated Protein Kinase in the Impaired Counterregulatory Response Induced by Repetitive Neuroglucopenia. <i>Endocrinology</i> , 2007, 148, 1367-1375.	2.8	80
13	Brain glucose sensing mechanism and glucose homeostasis. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2002, 5, 539-543.	2.5	78
14	Nucleus accumbens inflammation mediates anxiodepressive behavior and compulsive sucrose seeking elicited by saturated dietary fat. <i>Molecular Metabolism</i> , 2018, 10, 1-13.	6.5	78
15	Defective insulin secretory response to intravenous glucose in C57Bl/6J compared to C57Bl/6N mice. <i>Molecular Metabolism</i> , 2014, 3, 848-854.	6.5	77
16	Phenotypic Characterization of MIP-CreERT1Lphi Mice With Transgene-Driven Islet Expression of Human Growth Hormone. <i>Diabetes</i> , 2015, 64, 3798-3807.	0.6	77
17	Acute Intracarotid Glucose Injection Towards the Brain Induces Specific c-fos Activation in Hypothalamic Nuclei: Involvement of Astrocytes in Cerebral Glucose-Sensing in Rats. <i>Journal of Neuroendocrinology</i> , 2004, 16, 464-471.	2.6	76
18	The Free Fatty Acid Receptor G Protein-coupled Receptor 40 (GPR40) Protects from Bone Loss through Inhibition of Osteoclast Differentiation*. <i>Journal of Biological Chemistry</i> , 2013, 288, 6542-6551.	3.4	76

#	ARTICLE	IF	CITATIONS
19	Considerations and guidelines for mouse metabolic phenotyping in diabetes research. <i>Diabetologia</i> , 2018, 61, 526-538.	6.3	67
20	Glucose activates free fatty acid receptor 1 gene transcription via phosphatidylinositol-3-kinase-dependent $\alpha$ -GlcNAcylation of pancreas-duodenum homeobox-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 2376-2381.	7.1	56
21	The gliotransmitter ACBP controls feeding and energy homeostasis via the melanocortin system. <i>Journal of Clinical Investigation</i> , 2019, 129, 2417-2430.	8.2	52
22	A novel role for central $\alpha$ -ACBP/ $\alpha$ -DBI as a regulator of long-chain fatty acid metabolism in astrocytes. <i>Journal of Neurochemistry</i> , 2015, 133, 253-265.	3.9	50
23	Glucose Regulates Hypothalamic Long-chain Fatty Acid Metabolism via AMP-activated Kinase (AMPK) in Neurons and Astrocytes. <i>Journal of Biological Chemistry</i> , 2013, 288, 37216-37229.	3.4	49
24	PGC-1 coactivators in $\beta$ -cells regulate lipid metabolism and are essential for insulin secretion coupled to fatty acids. <i>Molecular Metabolism</i> , 2015, 4, 811-822.	6.5	46
25	Central Agonism of GPR120 Acutely Inhibits Food Intake and Food Reward and Chronically Suppresses Anxiety-Like Behavior in Mice. <i>International Journal of Neuropsychopharmacology</i> , 2016, 19, pyw014.	2.1	46
26	Perturbations in the lipid profile of individuals with newly diagnosed type 1 diabetes mellitus: Lipidomics analysis of a Diabetes Antibody Standardization Program sample subset. <i>Clinical Biochemistry</i> , 2010, 43, 948-956.	1.9	38
27	Saturated high-fat feeding independent of obesity alters hypothalamus-pituitary-adrenal axis function but not anxiety-like behaviour. <i>Psychoneuroendocrinology</i> , 2017, 83, 142-149.	2.7	37
28	Fish oil supplementation alleviates metabolic and anxiodepressive effects of diet-induced obesity and associated changes in brain lipid composition in mice. <i>International Journal of Obesity</i> , 2020, 44, 1936-1945.	3.4	33
29	GPR40: Good Cop, Bad Cop?. <i>Diabetes</i> , 2009, 58, 1035-1036.	0.6	32
30	Fatty Acid Receptor Gpr40 Mediates Neuromicrovascular Degeneration Induced by Transarachidonic Acids in Rodents. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2013, 33, 954-961.	2.4	32
31	$\beta$ -Hydrolase Domain 6 in the Ventromedial Hypothalamus Controls Energy Metabolism Flexibility. <i>Cell Reports</i> , 2016, 17, 1217-1226.	6.4	29
32	Insulin Inhibits Nrf2 Gene Expression via Heterogeneous Nuclear Ribonucleoprotein F/K in Diabetic Mice. <i>Endocrinology</i> , 2017, 158, 903-919.	2.8	28
33	Altered Glut4 mRNA levels in specific brain areas of hyperglycemic-hyperinsulinemic rats. <i>Neuroscience Letters</i> , 2001, 308, 75-78.	2.1	23
34	The autonomic nervous system regulates pancreatic $\beta$ -cell proliferation in adult male rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019, 317, E234-E243.	3.5	23
35	Oleic Acid in the Ventral Tegmental Area Inhibits Feeding, Food Reward, and Dopamine Tone. <i>Neuropsychopharmacology</i> , 2018, 43, 607-616.	5.4	21
36	Neuronal control of peripheral nutrient partitioning. <i>Diabetologia</i> , 2020, 63, 673-682.	6.3	21

#	ARTICLE	IF	CITATIONS
37	From benzodiazepines to fatty acids and beyond: revisiting the role of ACBP/DBI. <i>Trends in Endocrinology and Metabolism</i> , 2021, 32, 890-903.	7.1	17
38	Deletion of Apoptosis Signal-Regulating Kinase 1 (ASK1) Protects Pancreatic Beta-Cells from Stress-Induced Death but Not from Glucose Homeostasis Alterations under Pro-Inflammatory Conditions. <i>PLoS ONE</i> , 2014, 9, e112714.	2.5	16
39	Cerebral Insulin Increases Brain Response to Glucose. <i>Journal of Neuroendocrinology</i> , 2003, 15, 75-79.	2.6	15
40	Peripheral Signals Set the Tone for Central Regulation of Metabolism. <i>Endocrinology</i> , 2004, 145, 4022-4024.	2.8	13
41	In vivo Ultrafast Quantitative Ultrasound and Shear Wave Elastography Imaging on Farm-Raised Duck Livers during Force Feeding. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 1715-1726.	1.5	12
42	Distinct Basal Metabolism in Three Mouse Models of Neurodevelopmental Disorders. <i>ENeuro</i> , 2021, 8, ENEURO.0292-20.2021.	1.9	12
43	DBI/ACBP loss-of-function does not affect anxiety-like behaviour but reduces anxiolytic responses to diazepam in mice. <i>Behavioural Brain Research</i> , 2016, 313, 201-207.	2.2	11
44	Intrauterine Hyperglycemia Increases Insulin Binding Sites but Not Glucose Transporter Expression in Discrete Brain Areas in Term Rat Fetuses. <i>Pediatric Research</i> , 2004, 56, 263-267.	2.3	10
45	Free Fatty Acid Receptor 1: A New Drug Target for Type 2 Diabetes?. <i>Canadian Journal of Diabetes</i> , 2012, 36, 275-280.	0.8	8
46	Ca <sup>2+</sup> /Calmodulin-Dependent Protein Kinase Kinase Is Not Involved in Hypothalamic AMP-Activated Protein Kinase Activation by Neuroglucopenia. <i>PLoS ONE</i> , 2012, 7, e36335.	2.5	7
47	The Tetracycline-Controlled Transactivator (Tet-On/Off) System in $\beta$ -Cells Reduces Insulin Expression and Secretion in Mice. <i>Diabetes</i> , 2021, 70, 2850-2859.	0.6	7
48	Lipid signalling in the mesolimbic dopamine pathway. <i>Neuropsychopharmacology</i> , 2019, 44, 221-222.	5.4	4
49	AstroGenesis: And there was leptin on the sixth day. <i>Molecular Metabolism</i> , 2015, 4, 755-757.	6.5	2