Isabelle Dugail

List of Publications by Citations

68 papers	10,182 citations	35 h-index	75 g-index
75 ext. papers	11,199 ext. citations	5.1 avg, IF	4.85 L-index

#	Paper	IF	Citations
68	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*, **2016**, 12, 1-222	10.2	3838
67	Guidelines for the use and interpretation of assays for monitoring autophagy. *Autophagy*, **2012**, 8, 445-544	10.2	2783
66	ADD1/SREBP-1c is required in the activation of hepatic lipogenic gene expression by glucose. *Molecular and Cellular Biology*, **1999**, 19, 3760-8	4.8	461
65	Association of a homozygous nonsense caveolin-1 mutation with Berardinelli-Seip congenital lipodystrophy. *Journal of Clinical Endocrinology and Metabolism*, **2008**, 93, 1129-34	5.6	302
64	Pioglitazone induces in vivo adipocyte differentiation in the obese Zucker fa/fa rat. *Diabetes*, **1997**, 46, 1393-1399	0.9	205
63	Cholesterol, a cell size-dependent signal that regulates glucose metabolism and gene expression in adipocytes. *Journal of Biological Chemistry*, **2001**, 276, 16904-10	5.4	178
62	Cholesterol-induced caveolin targeting to lipid droplets in adipocytes: a role for caveolar endocytosis. *Traffic*, **2006**, 7, 549-61	5.7	140
61	Insulin and sterol-regulatory element-binding protein-1c (SREBP-1C) regulation of gene expression in 3T3-L1 adipocytes. Identification of CCAAT/enhancer-binding protein beta as an SREBP-1C target. *Journal of Biological Chemistry*, **2002**, 277, 35625-34	5.4	134
60	Distinct regulation of adiponutrin/PNPLA3 gene expression by the transcription factors ChREBP and SREBP1c in mouse and human hepatocytes. *Journal of Hepatology*, **2011**, 55, 145-53	13.4	102
59	Obesity-related overexpression of fatty-acid synthase gene in adipose tissue involves sterol regulatory element-binding protein transcription factors. *Journal of Biological Chemistry*, **1998**, 273, 29164-71	5.4	97
58	ADD-1/SREBP-1 is a major determinant of tissue differential lipogenic capacity in mammalian and avian species. *Journal of Lipid Research*, **2001**, 42, 106-113	6.3	94
57	Decreased resistin expression in mice with different sensitivities to a high-fat diet. *Biochemical and Biophysical Research Communications*, **2001**, 289, 564-7	3.4	93
56	Targeting of PKCzeta and PKB to caveolin-enriched microdomains represents a crucial step underpinning the disruption in PKB-directed signalling by ceramide. *Biochemical Journal*, **2008**, 410, 369-79	3.8	91
55	Lipid droplet analysis in caveolin-deficient adipocytes: alterations in surface phospholipid composition and maturation defects. *Journal of Lipid Research*, **2010**, 51, 945-56	6.3	86
54	In vitro suppression of the lipogenic pathway by the nonnucleoside reverse transcriptase inhibitor efavirenz in 3T3 and human preadipocytes or adipocytes. *Journal of Biological Chemistry*, **2004**, 279, 15130-41	5.4	77
53	Cavin proteins: New players in the caveolae field. *Biochimie*, **2011**, 93, 71-7	4.6	75
52	Plasma membrane subdomain compartmentalization contributes to distinct mechanisms of ceramide action on insulin signaling. *Diabetes*, **2010**, 59, 600-10	0.9	75

51	Adipocyte cholesterol balance in obesity. *Biochemical Society Transactions*, **2004**, 32, 103-6	5.1	68
50	Circulating phospholipid profiling identifies portal contribution to NASH signature in obesity. *Journal of Hepatology*, **2015**, 62, 905-12	13.4	67
49	Progesterone stimulates adipocyte determination and differentiation 1/sterol regulatory element-binding protein 1c gene expression. potential mechanism for the lipogenic effect of progesterone in adipose tissue. *Journal of Biological Chemistry*, **2001**, 276, 11512-6	5.4	61
48	Regulation of ABCA1 expression and cholesterol efflux during adipose differentiation of 3T3-L1 cells. *Journal of Lipid Research*, **2003**, 44, 1499-507	6.3	59
47	The lipoatrophic caveolin-1 deficient mouse model reveals autophagy in mature adipocytes. *Autophagy*, **2010**, 6, 754-63	10.2	55
46	Lysosomal Cholesterol Hydrolysis Couples Efferocytosis to Anti-Inflammatory Oxysterol Production. *Circulation Research*, **2018**, 122, 1369-1384	15.7	54
45	Atrial natriuretic peptide regulates adipose tissue accumulation in adult atria. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E771-E780	11.5	48
44	Caveolin-1 expression and cavin stability regulate caveolae dynamics in adipocyte lipid store fluctuation. *Diabetes*, **2014**, 63, 4032-44	0.9	47
43	DAPK2 Downregulation Associates With Attenuated Adipocyte Autophagic Clearance in Human Obesity. *Diabetes*, **2015**, 64, 3452-63	0.9	46
42	Adipocyte ATP-binding cassette G1 promotes triglyceride storage, fat mass growth, and human obesity. *Diabetes*, **2015**, 64, 840-55	0.9	43
41	Distinct roles of endothelial and adipocyte caveolin-1 in macrophage infiltration and adipose tissue metabolic activity. *Diabetes*, **2011**, 60, 448-53	0.9	43
40	Regulated association of caveolins to lipid droplets during differentiation of 3T3-L1 adipocytes. *Biochemical and Biophysical Research Communications*, **2008**, 376, 331-5	3.4	41
39	Insulin and angiotensin II induce the translocation of scavenger receptor class B, type I from intracellular sites to the plasma membrane of adipocytes. *Journal of Biological Chemistry*, **2005**, 280, 33536-40	5.4	41
38	Evidence of increased glyceraldehyde-3-phosphate dehydrogenase and fatty acid synthetase promoter activities in transiently transfected adipocytes from genetically obese rats. *Journal of Biological Chemistry*, **1995**, 270, 1102-6	5.4	41
37	Connecting lipid droplet biology and the metabolic syndrome. *Progress in Lipid Research*, **2009**, 48, 191-5	14.3	39
36	Filling up adipocytes with lipids. Lessons from caveolin-1 deficiency. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2009**, 1791, 514-8	5	38
35	Lipid droplet-membrane contact sites - from protein binding to function. *Journal of Cell Science*, **2019**, 132,	5.3	35
34	Accumulation of polychlorinated biphenyls in adipocytes: selective targeting to lipid droplets and role of caveolin-1. *PLoS ONE*, **2012**, 7, e31834	3.7	35

33	HDL-mediated cholesterol uptake and targeting to lipid droplets in adipocytes. *Journal of Lipid Research*, **2003**, 44, 1811-20	6.3	34
32	Angiotensin II-responsive element is the insulin-responsive element in the adipocyte fatty acid synthase gene: role of adipocyte determination and differentiation factor 1/sterol-regulatory-element-binding protein 1c. *Biochemical Journal*, **2001**, 357, 899-904	3.8	34
31	Differential effects of retinoic acid upon early and late events in adipose conversion of 3T3 preadipocytes. *Experimental Cell Research*, **1988**, 177, 27-36	4.2	31
30	Lysosome/lipid droplet interplay in metabolic diseases. *Biochimie*, **2014**, 96, 102-5	4.6	30
29	Sequence of rat lipoprotein lipase-encoding cDNA. *Gene*, **1992**, 121, 237-46	3.8	30
28	The dynamics of accumulation of PCBs in cultured adipocytes vary with the cell lipid content and the lipophilicity of the congener. *Toxicology Letters*, **2013**, 216, 40-6	4.4	28
27	De novo cholesterol synthesis at the crossroads of adaptive response to extracellular stress through SREBP. *Biochimie*, **2007**, 89, 260-4	4.6	26
26	A GC-rich region containing Sp1 and Sp1-like binding sites is a crucial regulatory motif for fatty acid synthase gene promoter activity in adipocytes. Implication In the overactivity of FAS promoter in obese Zucker rats. *Journal of Biological Chemistry*, **1996**, 271, 21297-302	5.4	26
25	Adipose tissue autophagy status in obesity: Expression and flux--two faces of the picture. *Autophagy*, **2016**, 12, 588-9	10.2	25
24	Antidepressant phenelzine alters differentiation of cultured human and mouse preadipocytes. *Molecular Pharmacology*, **2009**, 75, 1052-61	4.3	24
23	Angiotensin II-responsive element is the insulin-responsive element in the adipocyte fatty acid synthase gene: role of adipocyte determination and differentiation factor 1/sterol-regulatory-element-binding protein 1c. *Biochemical Journal*, **2001**, 357, 899-904	3.8	23
22	Hypoxia inhibits Cavin-1 and Cavin-2 expression and down-regulates caveolae in adipocytes. *Endocrinology*, **2015**, 156, 789-801	4.8	21
21	High prevalence for obesity in severe COVID-19: Possible links and perspectives towards patient stratification. *Biochimie*, **2020**, 179, 257-265	4.6	19
20	Functional antagonism between inhibitor of DNA binding (Id) and adipocyte determination and differentiation factor 1/sterol regulatory element-binding protein-1c (ADD1/SREBP-1c) trans-factors for the regulation of fatty acid synthase promoter in adipocytes. *Biochemical Journal*, **1999**, 344, 873	3.8	18
19	Effect of IVIg on human dendritic cell-mediated antigen uptake and presentation: role of lipid accumulation. *Journal of Autoimmunity*, **2012**, 39, 168-72	15.5	16
18	DnaJA4 is a SREBP-regulated chaperone involved in the cholesterol biosynthesis pathway. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2006**, 1761, 1107-13	5	16
17	Leptin receptor gene in a large cohort of massively obese subjects: no indication of the fa/fa rat mutation. Detection of an intronic variant with no association with obesity. *Obesity*, **1998**, 6, 122-7		15
16	Phosphatidylglycerols are induced by gut dysbiosis and inflammation, and favorably modulate adipose tissue remodeling in obesity. *FASEB Journal*, **2019**, 33, 4741-4754	0.9	13

List of Publications

15	Specific roles of phosphatidylglycerols in hosts and microbes. *Biochimie*, **2017**, 141, 47-53	4.6	12
14	Autophagy inhibition blunts PDGFRA adipose progenitorsTcell-autonomous fibrogenic response to high-fat diet. *Autophagy*, **2020**, 16, 2156-2166	10.2	10
13	Normal human adipose tissue functions and differentiation in patients with biallelic inactivating mutations. *Journal of Lipid Research*, **2017**, 58, 2348-2364	6.3	9
12	Elevated serum ceramides are linked with obesity-associated gut dysbiosis and impaired glucose metabolism. *Metabolomics*, **2019**, 15, 140	4.7	9
11	Adipocyte size fluctuation, mechano-active lipid droplets and caveolae. *Adipocyte*, **2015**, 4, 158-60	3.2	5
10	A method for separating cultured preadipocytes according to their density: application to stromal cells from overfed suckling rats. *In Vitro Cellular & Developmental Biology*, **1986**, 22, 375-80		5
9	Rle des prcurseurs dTadipocytes dans lTinstallation dTune obsit nutritionnelle avant le sevrage. *Reproduction, Nutrition, Development*, **1985**, 25, 189-196		4
8	Little caves ameliorate hepatic insulin signaling. Focus on "caveolin gene transfer improves glucose metabolism in diabetic mice". *American Journal of Physiology - Cell Physiology*, **2010**, 298, C442-5	5.4	2
7	Lysosomal Acid Lipase Drives Adipocyte Cholesterol Homeostasis and Modulates Lipid Storage in Obesity, Independent of Autophagy. *Diabetes*, **2021**, 70, 76-90	0.9	2
6	Impaired fat storage capacity in adipocyte precursors of I versus C57BL mice. *Experimental Biology and Medicine*, **1989**, 192, 61-5	3.7	1
5	Beta-hydroxybutyrate dampens adipose progenitorsTprofibrotic activation through canonical Tgf signaling and non-canonical ZFP36-dependent mechanisms.. *Molecular Metabolism*, **2022**, 101512	8.8	0
4	Adipocyte Lipid Droplet Physiology **2013**, 123-139		
3	Guggulu, une plante aux vertus hypolipmiantes pour nos socits rassasies. *Medecine/Sciences*, **2002**, 18, 921-923		
2	Mtabolisme du tissu adipeux blanc. *EMC - Endocrinologie - Nutrition*, **2004**, 1, 1-5		
1	Evolution de la capacit dTestrification des acides gras dans les adipocytes de rat avant le sevrage : effet de la suralimentation lacte. *Reproduction, Nutrition, Development*, **1986**, 26, 669-676		