

Jean-Francois Tanti

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.

68

papers

10,393

citations

34

h-index

71

g-index

71

ext. papers

11,636

ext. citations

5.9

avg, IF

5.51

L-index

#	Paper	IF	Citations
68	Metabolic endotoxemia initiates obesity and insulin resistance. <i>Diabetes</i> , 2007 , 56, 1761-72	0.9	3888
67	The antidiabetic drug metformin exerts an antitumoral effect in vitro and in vivo through a decrease of cyclin D1 level. <i>Oncogene</i> , 2008 , 27, 3576-86	9.2	693
66	Positive and negative regulation of insulin signaling through IRS-1 phosphorylation. <i>Biochimie</i> , 2005 , 87, 99-109	4.6	646
65	Interleukin-1beta-induced insulin resistance in adipocytes through down-regulation of insulin receptor substrate-1 expression. <i>Endocrinology</i> , 2007 , 148, 241-51	4.8	498
64	Metformin, independent of AMPK, induces mTOR inhibition and cell-cycle arrest through REDD1. <i>Cancer Research</i> , 2011 , 71, 4366-72	10.1	455
63	Targeting cancer cell metabolism: the combination of metformin and 2-deoxyglucose induces p53-dependent apoptosis in prostate cancer cells. <i>Cancer Research</i> , 2010 , 70, 2465-75	10.1	405
62	Metformin in cancer therapy: a new perspective for an old antidiabetic drug?. <i>Molecular Cancer Therapeutics</i> , 2010 , 9, 1092-9	6.1	383
61	The lipid phosphatase SHIP2 controls insulin sensitivity. <i>Nature</i> , 2001 , 409, 92-7	50.4	326
60	Cellular mechanisms of insulin resistance: role of stress-regulated serine kinases and insulin receptor substrates (IRS) serine phosphorylation. <i>Current Opinion in Pharmacology</i> , 2009 , 9, 753-62	5.1	303
59	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. <i>Journal of Cell Biology</i> , 2009 , 187, 859-74	7.3	260
58	Reduced activation of phosphatidylinositol-3 kinase and increased serine 636 phosphorylation of insulin receptor substrate-1 in primary culture of skeletal muscle cells from patients with type 2 diabetes. <i>Diabetes</i> , 2003 , 52, 1319-25	0.9	241
57	Adipose tissue microRNAs as regulators of CCL2 production in human obesity. <i>Diabetes</i> , 2012 , 61, 1986-93	9.9	217
56	Hypoxia decreases insulin signaling pathways in adipocytes. <i>Diabetes</i> , 2009 , 58, 95-103	0.9	205
55	Overexpression of a constitutively active form of phosphatidylinositol 3-kinase is sufficient to promote Glut 4 translocation in adipocytes. <i>Journal of Biological Chemistry</i> , 1996 , 271, 25227-32	5.4	127
54	Implication of inflammatory signaling pathways in obesity-induced insulin resistance. <i>Frontiers in Endocrinology</i> , 2012 , 3, 181	5.7	116
53	Sestrin2 integrates Akt and mTOR signaling to protect cells against energetic stress-induced death. <i>Cell Death and Differentiation</i> , 2013 , 20, 611-9	12.7	109
52	Apelin and APJ regulation in adipose tissue and skeletal muscle of type 2 diabetic mice and humans. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E1161-9	6	104

51	Different effects of insulin and platelet-derived growth factor on phosphatidylinositol 3-kinase at the subcellular level in 3T3-L1 adipocytes. A possible explanation for their specific effects on glucose transport. <i>FEBS Journal</i> , 1996 , 239, 17-22		83
50	Glucose transporter in insulin sensitive tissues of lean and obese mice. Effect of the thermogenic agent BRL 26830A. <i>Endocrinology</i> , 1990 , 127, 2687-95	4.8	76
49	Metformin and cancer therapy. <i>Current Opinion in Oncology</i> , 2012 , 24, 103-8	4.2	67
48	Deficiency in the extracellular signal-regulated kinase 1 (ERK1) protects leptin-deficient mice from insulin resistance without affecting obesity. <i>Diabetologia</i> , 2011 , 54, 180-9	10.3	66
47	Circulating Levels of Soluble Dipeptidyl Peptidase-4 Are Dissociated from Inflammation and Induced by Enzymatic DPP4 Inhibition. <i>Cell Metabolism</i> , 2019 , 29, 320-334.e5	24.6	65
46	DNA Damage and the Activation of the p53 Pathway Mediate Alterations in Metabolic and Secretory Functions of Adipocytes. <i>Diabetes</i> , 2016 , 65, 3062-74	0.9	59
45	Hyperosmotic stress inhibits insulin receptor substrate-1 function by distinct mechanisms in 3T3-L1 adipocytes. <i>Journal of Biological Chemistry</i> , 2003 , 278, 26550-7	5.4	58
44	p38MAP Kinase activity is required for human primary adipocyte differentiation. <i>FEBS Letters</i> , 2007 , 581, 5591-6	3.8	54
43	Subcellular distribution of low molecular weight guanosine triphosphate-binding proteins in adipocytes: colocalization with the glucose transporter Glut 4. <i>Endocrinology</i> , 1991 , 129, 3343-50	4.8	52
42	Tpl2 kinase is upregulated in adipose tissue in obesity and may mediate interleukin-1beta and tumor necrosis factor- α effects on extracellular signal-regulated kinase activation and lipolysis. <i>Diabetes</i> , 2010 , 59, 61-70	0.9	49
41	Cross-talk between the platelet-derived growth factor and the insulin signaling pathways in 3T3-L1 adipocytes. <i>Journal of Biological Chemistry</i> , 1997 , 272, 19814-8	5.4	45
40	Insulin induces REDD1 expression through hypoxia-inducible factor 1 activation in adipocytes. <i>Journal of Biological Chemistry</i> , 2010 , 285, 5157-64	5.4	42
39	Metformin-induced energy deficiency leads to the inhibition of lipogenesis in prostate cancer cells. <i>Oncotarget</i> , 2015 , 6, 15652-61	3.3	42
38	Peroxovanadate induces tyrosine phosphorylation of phosphoinositide-dependent protein kinase-1 potential involvement of src kinase. <i>FEBS Journal</i> , 2000 , 267, 6642-9		40
37	Essential role of chicken ovalbumin upstream promoter-transcription factor II in insulin secretion and insulin sensitivity revealed by conditional gene knockout. <i>Diabetes</i> , 2005 , 54, 1357-63	0.9	39
36	The energy disruptor metformin targets mitochondrial integrity via modification of calcium flux in cancer cells. <i>Scientific Reports</i> , 2017 , 7, 5040	4.9	36
35	Caloric restriction modulates Mcl-1 expression and sensitizes lymphomas to BH3 mimetic in mice. <i>Blood</i> , 2013 , 122, 2402-11	2.2	36
34	Transfer of dysbiotic gut microbiota has beneficial effects on host liver metabolism. <i>Molecular Systems Biology</i> , 2017 , 13, 921	12.2	32

33	Hepatocyte growth factor induces glucose uptake in 3T3-L1 adipocytes through A Gab1/phosphatidylinositol 3-kinase/Glut4 pathway. <i>Journal of Biological Chemistry</i> , 2007 , 282, 10325-32	5.4	32
32	Rab4 is phosphorylated by the insulin-activated extracellular-signal-regulated kinase ERK1. <i>FEBS Journal</i> , 1994 , 219, 1081-5		32
31	Inhibition of the GTPase Rac1 mediates the antimigratory effects of metformin in prostate cancer cells. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 586-96	6.1	29
30	Implication of REDD1 in the activation of inflammatory pathways. <i>Scientific Reports</i> , 2017 , 7, 7023	4.9	28
29	Regulated in development and DNA damage responses -1 (REDD1) protein contributes to insulin signaling pathway in adipocytes. <i>PLoS ONE</i> , 2012 , 7, e52154	3.7	27
28	A Crk-II/TC10 signaling pathway is required for osmotic shock-stimulated glucose transport. <i>Journal of Biological Chemistry</i> , 2002 , 277, 43980-6	5.4	26
27	Maintenance of Macrophage Redox Status by ChREBP Limits Inflammation and Apoptosis and Protects against Advanced Atherosclerotic Lesion Formation. <i>Cell Reports</i> , 2015 , 13, 132-144	10.6	25
26	Enigma interacts with adaptor protein with PH and SH2 domains to control insulin-induced actin cytoskeleton remodeling and glucose transporter 4 translocation. <i>Molecular Endocrinology</i> , 2006 , 20, 2864-75		24
25	Hypoxia inhibits Cavin-1 and Cavin-2 expression and down-regulates caveolae in adipocytes. <i>Endocrinology</i> , 2015 , 156, 789-801	4.8	21
24	The interaction between the adaptor protein APS and Enigma is involved in actin organisation. <i>Experimental Cell Research</i> , 2005 , 308, 334-44	4.2	21
23	Rab4b Deficiency in T Cells Promotes Adipose Treg/Th17 Imbalance, Adipose Tissue Dysfunction, and Insulin Resistance. <i>Cell Reports</i> , 2018 , 25, 3329-3341.e5	10.6	19
22	Rab4b controls an early endosome sorting event by interacting with the β subunit of the clathrin adaptor complex 1. <i>Journal of Cell Science</i> , 2013 , 126, 4950-62	5.3	18
21	Implication of the Tpl2 kinase in inflammatory changes and insulin resistance induced by the interaction between adipocytes and macrophages. <i>Endocrinology</i> , 2014 , 155, 951-64	4.8	17
20	Sirtuin 7: a new marker of aggressiveness in prostate cancer. <i>Oncotarget</i> , 2017 , 8, 77309-77316	3.3	17
19	Characterization of 6-deoxy-6-iodo-D-glucose: a potential new tool to assess glucose transport. <i>Nuclear Medicine and Biology</i> , 1997 , 24, 99-104	2.1	16
18	PGC1 β Inhibits Polyamine Synthesis to Suppress Prostate Cancer Aggressiveness. <i>Cancer Research</i> , 2019 , 79, 3268-3280	10.1	15
17	Parallel changes in Glut 4 and Rab4 movements in two insulin-resistant states. <i>FEBS Letters</i> , 1994 , 347, 42-4	3.8	15
16	ERK1 is dispensable for mouse pancreatic beta cell function but is necessary for glucose-induced full activation of MSK1 and CREB. <i>Diabetologia</i> , 2017 , 60, 1999-2010	10.3	12

15	Assays of glucose entry, glucose transporter amount, and translocation. <i>Methods in Molecular Biology</i> , 2001 , 155, 157-65	1.4	12
14	Polymyxin B inhibits insulin-induced glucose transporter and IGF II receptor translocation in isolated adipocytes. <i>FEBS Journal</i> , 1992 , 207, 185-93		11
13	REDD1 deficiency protects against nonalcoholic hepatic steatosis induced by high-fat diet. <i>FASEB Journal</i> , 2020 , 34, 5046-5060	0.9	10
12	The Tpl2 Kinase Regulates the COX-2/Prostaglandin E2 Axis in Adipocytes in Inflammatory Conditions. <i>Molecular Endocrinology</i> , 2015 , 29, 1025-36		9
11	Potential role of 3-phosphoinositide-dependent protein kinase 1 (PDK1) in insulin-stimulated glucose transporter 4 translocation in adipocytes. <i>FEBS Letters</i> , 1999 , 461, 277-9	3.8	9
10	Alteration of insulin receptor kinase in obese, insulin-resistant mice. <i>Biochimie</i> , 1987 , 69, 387-93	4.6	9
9	Prevention of mutagenesis: new potential mechanisms of metformin action in neoplastic cells. <i>Cancer Prevention Research</i> , 2012 , 5, 503-6	3.2	7
8	Osmotic regulation of cellular glucose uptake. <i>Methods in Enzymology</i> , 2007 , 428, 343-54	1.7	2
7	Isolation and characterization of a T lymphocyte mutant defective in the protein kinase C signal transduction pathway. <i>Molecular Immunology</i> , 1991 , 28, 921-9	4.3	2
6	TAXOMET: A French Prospective Multicentric Randomized Phase II Study of Docetaxel Plus Metformin Versus Docetaxel Plus Placebo in Metastatic Castration-Resistant Prostate Cancer. <i>Clinical Genitourinary Cancer</i> , 2021 ,	3.3	2
5	Expression of guanine-nucleotide-binding proteins in lean and obese insulin-resistant mice. <i>Molecular and Cellular Endocrinology</i> , 1994 , 99, 169-76	4.4	1
4	TNF α Mediates Inflammation-Induced Effects on Splicing in Adipose Tissue and Mesenchymal Precursor Cells.. <i>Cells</i> , 2021 , 11,	7.9	1
3	Impact of Proinflammatory Cytokines on Adipocyte Insulin Signaling 2013 , 297-315		
2	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. <i>Journal of Experimental Medicine</i> , 2009 , 206, i33-i33	16.6	
1	Metformine et cancer: repositionnement ou non? La question se pose. <i>Medecine Des Maladies Metaboliques</i> , 2021 , 15, 408-412	0.1	