

Jean-François Tanti

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

12,603
citations

101384

36
h-index

102304

66
g-index

71
all docs

71
docs citations

71
times ranked

21380
citing authors

#	ARTICLE	IF	CITATIONS
1	Metabolic Endotoxemia Initiates Obesity and Insulin Resistance. <i>Diabetes</i> , 2007, 56, 1761-1772.	0.3	4,964
2	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, 3576-3586.	2.6	775
3	Positive and negative regulation of insulin signaling through IRS-1 phosphorylation. <i>Biochimie</i> , 2005, 87, 99-109.	1.3	742
4	Interleukin-1 β -Induced Insulin Resistance in Adipocytes through Down-Regulation of Insulin Receptor Substrate-1 Expression. <i>Endocrinology</i> , 2007, 148, 241-251.	1.4	587
5	Metformin, Independent of AMPK, Induces mTOR Inhibition and Cell-Cycle Arrest through REDD1. <i>Cancer Research</i> , 2011, 71, 4366-4372.	0.4	545
6	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, 2465-2475.	0.4	465
7	Metformin in Cancer Therapy: A New Perspective for an Old Antidiabetic Drug?. <i>Molecular Cancer Therapeutics</i> , 2010, 9, 1092-1099.	1.9	444
8	The lipid phosphatase SHIP2 controls insulin sensitivity. <i>Nature</i> , 2001, 409, 92-97.	13.7	355
9	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, 753-762.	1.7	350
10	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. <i>Journal of Cell Biology</i> , 2009, 187, 859-874.	2.3	320
11	Adipose Tissue MicroRNAs as Regulators of CCL2 Production in Human Obesity. <i>Diabetes</i> , 2012, 61, 1986-1993.	0.3	263
12	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, 1319-1325.	0.3	262
13	Hypoxia Decreases Insulin Signaling Pathways in Adipocytes. <i>Diabetes</i> , 2009, 58, 95-103.	0.3	246
14	Implication of inflammatory signaling pathways in obesity-induced insulin resistance. <i>Frontiers in Endocrinology</i> , 2012, 3, 181.	1.5	147
15	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, 25227-25232.	1.6	141
16	Sestrin2 integrates Akt and mTOR signaling to protect cells against energetic stress-induced death. <i>Cell Death and Differentiation</i> , 2013, 20, 611-619.	5.0	137
17	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-E1169.	1.8	126
18	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.	7.2	99

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19	DNA Damage and the Activation of the p53 Pathway Mediate Alterations in Metabolic and Secretory Functions of Adipocytes. <i>Diabetes</i> , 2016, 65, 3062-3074.	0.3	92
20	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.	0.2	88
21	Glucose Transporter in Insulin Sensitive Tissues of Lean and Obese Mice. Effect of the Thermogenic Agent BRL 26830A*. <i>Endocrinology</i> , 1990, 127, 2687-2695.	1.4	81
22	Metformin and cancer therapy. <i>Current Opinion in Oncology</i> , 2012, 24, 103-108.	1.1	77
23	p38MAP Kinase activity is required for human primary adipocyte differentiation. <i>FEBS Letters</i> , 2007, 581, 5591-5596.	1.3	72
24	Deficiency in the extracellular signal-regulated kinase 1 (ERK1) protects leptin-deficient mice from insulin resistance without affecting obesity. <i>Diabetologia</i> , 2011, 54, 180-189.	2.9	70
25	Hyperosmotic Stress Inhibits Insulin Receptor Substrate-1 Function by Distinct Mechanisms in 3T3-L1 Adipocytes. <i>Journal of Biological Chemistry</i> , 2003, 278, 26550-26557.	1.6	68
26	Tpl2 Kinase Is Upregulated in Adipose Tissue in Obesity and May Mediate Interleukin-1 β and Tumor Necrosis Factor- α Effects on Extracellular Signal-Regulated Kinase Activation and Lipolysis. <i>Diabetes</i> , 2010, 59, 61-70.	0.3	60
27	Subcellular Distribution of Low Molecular Weight Guanosine Triphosphate-Binding Proteins in Adipocytes: Colocalization with the Glucose Transporter Glut 4*. <i>Endocrinology</i> , 1991, 129, 3343-3350.	1.4	54
28	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, 19814-19818.	1.6	47
29	Insulin Induces REDD1 Expression through Hypoxia-inducible Factor 1 Activation in Adipocytes. <i>Journal of Biological Chemistry</i> , 2010, 285, 5157-5164.	1.6	47
30	The energy disruptor metformin targets mitochondrial integrity via modification of calcium flux in cancer cells. <i>Scientific Reports</i> , 2017, 7, 5040.	1.6	47
31	Peroxovanadate induces tyrosine phosphorylation of phosphoinositide-dependent protein kinase-1. <i>FEBS Journal</i> , 2000, 267, 6642-6649.	0.2	46
32	Caloric restriction modulates Mcl-1 expression and sensitizes lymphomas to BH3 mimetic in mice. <i>Blood</i> , 2013, 122, 2402-2411.	0.6	45
33	Metformin-induced energy deficiency leads to the inhibition of lipogenesis in prostate cancer cells. <i>Oncotarget</i> , 2015, 6, 15652-15661.	0.8	45
34	Transfer of dysbiotic gut microbiota has beneficial effects on host liver metabolism. <i>Molecular Systems Biology</i> , 2017, 13, 921.	3.2	43
35	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, 1357-1363.	0.3	42
36	Implication of REDD1 in the activation of inflammatory pathways. <i>Scientific Reports</i> , 2017, 7, 7023.	1.6	40

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37	Inhibition of the GTPase Rac1 Mediates the Antimigratory Effects of Metformin in Prostate Cancer Cells. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 586-596.	1.9	38
38	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, 10325-10332.	1.6	36
39	Regulated in Development and DNA Damage Responses -1 (REDD1) Protein Contributes to Insulin Signaling Pathway in Adipocytes. <i>PLoS ONE</i> , 2012, 7, e52154.	1.1	34
40	Rab4 is phosphorylated by the insulin-activated extracellular-signal-regulated kinase ERK1. <i>FEBS Journal</i> , 1994, 219, 1081-1085.	0.2	33
41	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.	2.9	32
42	A Crk-II/TC10 Signaling Pathway Is Required For Osmotic Shock-stimulated Glucose Transport. <i>Journal of Biological Chemistry</i> , 2002, 277, 43980-43986.	1.6	28
43	Hypoxia Inhibits Cavin-1 and Cavin-2 Expression and Down-Regulates Caveolae in Adipocytes. <i>Endocrinology</i> , 2015, 156, 789-801.	1.4	28
44	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.	2.9	27
45	PGC1 α Inhibits Polyamine Synthesis to Suppress Prostate Cancer Aggressiveness. <i>Cancer Research</i> , 2019, 79, 3268-3280.	0.4	27
46	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, 2864-2875.	3.7	25
47	Rab4b controls an early endosome sorting event by interacting with the β 3 subunit of the clathrin adaptor complex 1. <i>Journal of Cell Science</i> , 2013, 126, 4950-62.	1.2	24
48	Sirtuin 7: a new marker of aggressiveness in prostate cancer. <i>Oncotarget</i> , 2017, 8, 77309-77316.	0.8	24
49	The interaction between the adaptor protein APS and Enigma is involved in actin organisation. <i>Experimental Cell Research</i> , 2005, 308, 334-344.	1.2	22
50	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.	2.9	21
51	Parallel changes in Glut 4 and Rab4 movements in two insulin-resistant states. <i>FEBS Letters</i> , 1994, 347, 42-44.	1.3	18
52	Implication of the Tpl2 Kinase in Inflammatory Changes and Insulin Resistance Induced by the Interaction Between Adipocytes and Macrophages. <i>Endocrinology</i> , 2014, 155, 951-964.	1.4	18
53	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, 19, 501-509.	0.9	18
54	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.	0.3	17

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55	Assays of Glucose Entry, Glucose Transporter. , 2001, 155, 157-165.		13
56	REDD1 deficiency protects against nonalcoholic hepatic steatosis induced by high-fat diet. FASEB Journal, 2020, 34, 5046-5060.	0.2	13
57	Polymyxin B inhibits insulin-induced glucose transporter and IGF II receptor translocation in isolated adipocytes. FEBS Journal, 1992, 207, 185-193.	0.2	12
58	Potential role of 3-phosphoinositide-dependent protein kinase 1 (PDK1) in insulin-stimulated glucose transporter 4 translocation in adipocytes. FEBS Letters, 1999, 461, 277-279.	1.3	12
59	The Tpl2 Kinase Regulates the COX-2/Prostaglandin E2 Axis in Adipocytes in Inflammatory Conditions. Molecular Endocrinology, 2015, 29, 1025-1036.	3.7	11
60	Alteration of insulin receptor kinase in obese, insulin-resistant mice. Biochimie, 1987, 69, 387-393.	1.3	10
61	Prevention of Mutagenesis: New Potential Mechanisms of Metformin Action in Neoplastic Cells. Cancer Prevention Research, 2012, 5, 503-506.	0.7	9
62	TNF α Mediates Inflammation-Induced Effects on PPAR γ Splicing in Adipose Tissue and Mesenchymal Precursor Cells. Cells, 2022, 11, 42.	1.8	6
63	Isolation and characterization of A T lymphocyte mutant defective in the protein kinase C signal transduction pathway. Molecular Immunology, 1991, 28, 921-929.	1.0	2
64	Osmotic Regulation of Cellular Glucose Uptake. Methods in Enzymology, 2007, 428, 343-354.	0.4	2
65	Expression of guanine-nucleotide-binding proteins in lean and obese insulin-resistant mice. Molecular and Cellular Endocrinology, 1994, 99, 169-176.	1.6	1
66	Impact of Proinflammatory Cytokines on Adipocyte Insulin Signaling. , 2013, , 297-315.		0
67	Muscle inactivation of mTOR causes metabolic and dystrophin defects leading to severe myopathy. Journal of Experimental Medicine, 2009, 206, i33-i33.	4.2	0