

Jonathan P Whitehead

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.

85
papers

5,969
citations

37
h-index

77
g-index

86
ext. papers

6,508
ext. citations

5.1
avg, IF

4.96
L-index

#	Paper	IF	Citations
85	Congenital leptin deficiency is associated with severe early-onset obesity in humans. <i>Nature</i> , 1997 , 387, 903-8	50.4	2309
84	Adiponectin--a key adipokine in the metabolic syndrome. <i>Diabetes, Obesity and Metabolism</i> , 2006 , 8, 264-89	4.9	468
83	Resveratrol does not benefit patients with nonalcoholic fatty liver disease. <i>Clinical Gastroenterology and Hepatology</i> , 2014 , 12, 2092-103.e1-6	6.9	198
82	Glycemic control in diabetes is restored by therapeutic manipulation of cytokines that regulate beta cell stress. <i>Nature Medicine</i> , 2014 , 20, 1417-26	50.5	169
81	Adiponectin multimerization is dependent on conserved lysines in the collagenous domain: evidence for regulation of multimerization by alterations in posttranslational modifications. <i>Molecular Endocrinology</i> , 2006 , 20, 1673-87		144
80	Fibroblast growth factor 1: a key regulator of human adipogenesis. <i>Diabetes</i> , 2004 , 53, 3097-106	0.9	117
79	The role of Ca ²⁺ in insulin-stimulated glucose transport in 3T3-L1 cells. <i>Journal of Biological Chemistry</i> , 2001 , 276, 27816-24	5.4	114
78	Signalling through the insulin receptor. <i>Current Opinion in Cell Biology</i> , 2000 , 12, 222-8	9	103
77	Dichloroacetate inhibits aerobic glycolysis in multiple myeloma cells and increases sensitivity to bortezomib. <i>British Journal of Cancer</i> , 2013 , 108, 1624-33	8.7	91
76	GLUT4--at the cross roads between membrane trafficking and signal transduction. <i>Traffic</i> , 2001 , 2, 2-11	5.7	87
75	Muscle glycogen inharmoniously regulates glycogen synthase activity, glucose uptake, and proximal insulin signaling. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E154-E162	6	82
74	Potentialiation of glucose uptake in 3T3-L1 adipocytes by PPAR gamma agonists is maintained in cells expressing a PPAR gamma dominant-negative mutant: evidence for selectivity in the downstream responses to PPAR gamma activation. <i>Molecular Endocrinology</i> , 2001 , 15, 1729-38		80
73	Fibroblast growth factor receptor 1 is a key regulator of early adipogenic events in human preadipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009 , 296, E121-31	6	79
72	Arachidonic acid stimulates glucose uptake in 3T3-L1 adipocytes by increasing GLUT1 and GLUT4 levels at the plasma membrane. Evidence for involvement of lipoxygenase metabolites and peroxisome proliferator-activated receptor gamma. <i>Journal of Biological Chemistry</i> , 2001 , 276, 9149-57	5.4	79
71	Adiponectin--it's all about the modifications. <i>International Journal of Biochemistry and Cell Biology</i> , 2010 , 42, 785-8	5.6	74
70	The health-promoting school: what role for nursing?. <i>Journal of Clinical Nursing</i> , 2006 , 15, 264-71	3.2	72
69	Two naturally occurring insulin receptor tyrosine kinase domain mutants provide evidence that phosphoinositide 3-kinase activation alone is not sufficient for the mediation of insulin's metabolic and mitogenic effects. <i>Journal of Biological Chemistry</i> , 1997 , 272, 30208-14	5.4	67

68	Characterization of the transcriptional and functional effects of fibroblast growth factor-1 on human preadipocyte differentiation. <i>FASEB Journal</i> , 2006 , 20, 2615-7	0.9	62
67	Glucose uptake and insulin action in human adipose tissue--influence of BMI, anatomical depot and body fat distribution. <i>International Journal of Obesity</i> , 2002 , 26, 17-23	5.5	60
66	Differences in signaling properties of the cytoplasmic domains of the insulin receptor and insulin-like growth factor receptor in 3T3-L1 adipocytes. <i>Journal of Biological Chemistry</i> , 1999 , 274, 30864-73	5.4	54
65	Identification of BMP and activin membrane-bound inhibitor (BAMBI) as a potent negative regulator of adipogenesis and modulator of autocrine/paracrine adipogenic factors. <i>Diabetes</i> , 2012 , 61, 124-36	0.9	52
64	Truncated human leptin (delta133) associated with extreme obesity undergoes proteasomal degradation after defective intracellular transport. <i>Endocrinology</i> , 1999 , 140, 1718-23	4.8	52
63	Different characteristics and nucleotide binding properties of inosine monophosphate dehydrogenase (IMPDH) isoforms. <i>PLoS ONE</i> , 2012 , 7, e51096	3.7	50
62	Overexpression of the adiponectin receptor AdipoR1 in rat skeletal muscle amplifies local insulin sensitivity. <i>Endocrinology</i> , 2012 , 153, 5231-46	4.8	50
61	Olanzapine treatment is associated with reduced high molecular weight adiponectin in serum: a potential mechanism for olanzapine-induced insulin resistance in patients with schizophrenia. <i>Journal of Clinical Psychopharmacology</i> , 2006 , 26, 232-7	1.7	50
60	ERp46 binds to AdipoR1, but not AdipoR2, and modulates adiponectin signalling. <i>Biochemical and Biophysical Research Communications</i> , 2010 , 392, 234-9	3.4	49
59	High molecular weight adiponectin correlates with insulin sensitivity in patients with hepatitis C genotype 3, but not genotype 1 infection. <i>American Journal of Gastroenterology</i> , 2005 , 100, 2717-23	0.7	49
58	Ascending dose-controlled trial of beloranib, a novel obesity treatment for safety, tolerability, and weight loss in obese women. <i>Obesity</i> , 2013 , 21, 1782-8	8	48
57	IRS-1 regulation in health and disease. <i>IUBMB Life</i> , 2003 , 55, 367-74	4.7	47
56	An inhibitor of phospholipase A2 group IIA modulates adipocyte signaling and protects against diet-induced metabolic syndrome in rats. <i>Diabetes</i> , 2012 , 61, 2320-9	0.9	44
55	Nocodazole inhibits insulin-stimulated glucose transport in 3T3-L1 adipocytes via a microtubule-independent mechanism. <i>Journal of Biological Chemistry</i> , 2001 , 276, 43829-35	5.4	42
54	Characterization of cold-induced remodelling reveals depot-specific differences across and within brown and white adipose tissues in mice. <i>Acta Physiologica</i> , 2016 , 217, 311-24	5.6	40
53	Characterisation of inosine monophosphate dehydrogenase expression during retinal development: differences between variants and isoforms. <i>International Journal of Biochemistry and Cell Biology</i> , 2008 , 40, 1716-28	5.6	40
52	TNF and TNF receptor expression and insulin sensitivity in human omental and subcutaneous adipose tissue--influence of BMI and adipose distribution. <i>Diabetes and Vascular Disease Research</i> , 2006 , 3, 26-33	3.3	39
51	A randomized trial of sodium-restriction on kidney function, fluid volume and adipokines in CKD patients. <i>BMC Nephrology</i> , 2014 , 15, 57	2.7	38

50	Sialic acid modification of adiponectin is not required for multimerization or secretion but determines half-life in circulation. <i>Molecular Endocrinology</i> , 2010 , 24, 229-39		37
49	Contraction inhibits insulin-stimulated insulin receptor substrate-1/2-associated phosphoinositide 3-kinase activity, but not protein kinase B activation or glucose uptake, in rat muscle. <i>Biochemical Journal</i> , 2000 , 349 Pt 3, 775-81	3.8	37
48	Impaired activation of phosphoinositide 3-kinase by insulin in fibroblasts from patients with severe insulin resistance and pseudoacromegaly. A disorder characterized by selective postreceptor insulin resistance. <i>Journal of Clinical Investigation</i> , 1998 , 101, 1111-20	15.9	36
47	ob gene mutations and human obesity. <i>Proceedings of the Nutrition Society</i> , 1998 , 57, 471-5	2.9	35
46	Class II phosphoinositide 3-kinase is activated by insulin but not by contraction in skeletal muscle. <i>Archives of Biochemistry and Biophysics</i> , 2001 , 396, 244-8	4.1	32
45	Natural variants of human p85 alpha phosphoinositide 3-kinase in severe insulin resistance: a novel variant with impaired insulin-stimulated lipid kinase activity. <i>Diabetologia</i> , 2000 , 43, 321-31	10.3	30
44	The role of liver fructose-1,6-bisphosphatase in regulating appetite and adiposity. <i>Diabetes</i> , 2012 , 61, 1122-32	0.9	29
43	Insulin and oleate promote translocation of inosine-5Tmonophosphate dehydrogenase to lipid bodies. <i>Traffic</i> , 2004 , 5, 739-49	5.7	29
42	Distinct adiponectin profiles might contribute to differences in susceptibility to type 2 diabetes in dogs and humans. <i>Domestic Animal Endocrinology</i> , 2011 , 41, 67-73	2.3	28
41	Differential signaling to glycogen synthesis by the intracellular domain of the insulin versus the insulin-like growth factor-1 receptor. Evidence from studies of TrkC-chimeras. <i>Journal of Biological Chemistry</i> , 1997 , 272, 24325-32	5.4	27
40	Molecular scanning of the insulin receptor substrate 1 gene in subjects with severe insulin resistance: detection and functional analysis of a naturally occurring mutation in a YMXM motif. <i>Diabetes</i> , 1998 , 47, 837-9	0.9	27
39	Obesity and sex influence insulin resistance and total and multimer adiponectin levels in adult neutered domestic shorthair client-owned cats. <i>Domestic Animal Endocrinology</i> , 2014 , 47, 55-64	2.3	23
38	Diabetes: New conductors for the peroxisome proliferator-activated receptor [(PPAR)]orchestra. <i>International Journal of Biochemistry and Cell Biology</i> , 2011 , 43, 1071-4	5.6	23
37	A putative role for endogenous FGF-2 in FGF-1 mediated differentiation of human preadipocytes. <i>Molecular and Cellular Endocrinology</i> , 2011 , 339, 165-71	4.4	23
36	Depot-related and thiazolidinedione-responsive expression of uncoupling protein 2 (UCP2) in human adipocytes. <i>International Journal of Obesity</i> , 2000 , 24, 585-92	5.5	23
35	Postprandial total and HMW adiponectin following a high-fat meal in lean, obese and diabetic men. <i>European Journal of Clinical Nutrition</i> , 2013 , 67, 377-84	5.2	21
34	Multiple molecular mechanisms of insulin receptor dysfunction in a patient with Donohue syndrome. <i>Diabetes</i> , 1998 , 47, 1362-4	0.9	21
33	Nutrient and immune sensing are obligate pathways in metabolism, immunity, and disease. <i>FASEB Journal</i> , 2015 , 29, 3612-25	0.9	19

32	Adiposity and adiponectin in dogs: investigation of causes of discrepant results between two studies. <i>Domestic Animal Endocrinology</i> , 2011 , 41, 35-41	2.3	18
31	The effect of a high-fat meal on postprandial arterial stiffness in men with obesity and type 2 diabetes. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010 , 95, 4455-9	5.6	18
30	Synergistic effects of ascorbic acid and thiazolidinedione on secretion of high molecular weight adiponectin from human adipocytes. <i>Diabetes, Obesity and Metabolism</i> , 2010 , 12, 1084-9	6.7	17
29	Adiponectin profiles are affected by chronic and acute changes in carbohydrate intake in healthy cats. <i>General and Comparative Endocrinology</i> , 2011 , 172, 468-74	3	16
28	Reduced phosphorylation of AS160 contributes to glucocorticoid-mediated inhibition of glucose uptake in human and murine adipocytes. <i>Molecular and Cellular Endocrinology</i> , 2009 , 302, 33-40	4.4	14
27	Expression of the putative inhibitor of the insulin receptor tyrosine kinase PC-1 in dermal fibroblasts from patients with syndromes of severe insulin resistance. <i>Clinical Endocrinology</i> , 1997 , 47, 65-70	3.4	13
26	Naturally occurring amino acid substitutions at Arg1174 in the human insulin receptor result in differential effects on receptor biosynthesis and hybrid formation, leading to discordant clinical phenotypes. <i>Diabetes</i> , 2000 , 49, 1264-8	0.9	13
25	Structure, signalling and physiologic role of adiponectin-dietary and exercise- related variations. <i>Current Medicinal Chemistry</i> , 2012 , 19, 5427-43	4.3	12
24	Adrenaline potentiates insulin-stimulated PKB activation in the rat fast-twitch epitrochlearis muscle without affecting IRS-1-associated PI 3-kinase activity. <i>Pflugers Archiv European Journal of Physiology</i> , 2008 , 456, 969-78	4.6	12
23	Fibroblast growth factor-1 (FGF-1) promotes adipogenesis by downregulation of carboxypeptidase A4 (CPA4) - a negative regulator of adipogenesis implicated in the modulation of local and systemic insulin sensitivity. <i>Growth Factors</i> , 2016 , 34, 210-216	1.6	12
22	Genetic variants of insulin receptor substrate-1 (IRS-1) in syndromes of severe insulin resistance. Functional analysis of Ala513Pro and Gly1158Glu IRS-1. <i>Diabetic Medicine</i> , 2002 , 19, 804-9	3.5	11
21	Muscle-specific overexpression of AdipoR1 or AdipoR2 gives rise to common and discrete local effects whilst AdipoR2 promotes additional systemic effects. <i>Scientific Reports</i> , 2017 , 7, 41792	4.9	10
20	The effect of 25-hydroxyvitamin D on insulin sensitivity in obesity: is it mediated via adiponectin?. <i>Canadian Journal of Physiology and Pharmacology</i> , 2013 , 91, 496-501	2.4	10
19	Identification of carboxypeptidase X (CPX)-1 as a positive regulator of adipogenesis. <i>FASEB Journal</i> , 2016 , 30, 2528-40	0.9	10
18	Carboxypeptidase X-1 (CPX-1) is a secreted collagen-binding glycoprotein. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 468, 894-9	3.4	8
17	Raised alanine transaminase and decreased adiponectin are features of the metabolic syndrome in patients with type 2 diabetes. <i>Diabetes, Obesity and Metabolism</i> , 2007 , 9, 438-40	6.7	8
16	The subcellular fractionation properties and function of insulin receptor substrate-1 (IRS-1) are independent of cytoskeletal integrity. <i>International Journal of Biochemistry and Cell Biology</i> , 2006 , 38, 1686-99	5.6	8
15	Induction of heme-oxygenase-1 (HO-1) does not enhance adiponectin production in human adipocytes: Evidence against a direct HO-1 - Adiponectin axis. <i>Molecular and Cellular Endocrinology</i> , 2015 , 413, 209-16	4.4	7

14	Development of an enzyme-linked immunosorbent assay for thrombospondin-1 and comparison of human plasma and serum concentrations. <i>Annals of Clinical Biochemistry</i> , 2016 , 53, 606-10	2.2	7
13	Characterisation of the adiponectin receptors: the non-conserved N-terminal region of AdipoR2 prevents its expression at the cell-surface. <i>Biochemical and Biophysical Research Communications</i> , 2013 , 432, 28-33	3.4	7
12	The feasibility of an exercise intervention in males at risk of oesophageal adenocarcinoma: a randomized controlled trial. <i>PLoS ONE</i> , 2015 , 10, e0117922	3.7	7
11	Inhibition of inosine monophosphate dehydrogenase reduces adipogenesis and diet-induced obesity. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 386, 351-5	3.4	7
10	Characterisation of the adiponectin receptors: Differential cell-surface expression and temporal signalling profiles of AdipoR1 and AdipoR2 are regulated by the non-conserved N-terminal trunks. <i>Molecular and Cellular Endocrinology</i> , 2015 , 409, 121-9	4.4	6
9	Iron Inhibits the Secretion of Apolipoprotein E in Cultured Human Adipocytes. <i>Cellular and Molecular Gastroenterology and Hepatology</i> , 2018 , 6, 215-217.e8	7.9	5
8	Thrombospondin-1 is a glucocorticoid responsive protein in humans. <i>European Journal of Endocrinology</i> , 2016 , 174, 193-201	6.5	4
7	Ectodermal-Neural Cortex 1 Isoforms Have Contrasting Effects on MC3T3-E1 Osteoblast Mineralization and Gene Expression. <i>Journal of Cellular Biochemistry</i> , 2017 , 118, 2141-2150	4.7	3
6	Adipose tissue from pregnant women with and without gestational diabetes mellitus: insulin-sensitive but resistant to hyperosmolarity. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 193, 2017-23	6.4	3
5	GLP-1(28-36)amide, the Glucagon-like peptide-1 metabolite: friend, foe, or pharmacological folly?. <i>Drug Design, Development and Therapy</i> , 2014 , 8, 677-88	4.4	2
4	A polymerase chain reaction-based method for isolating clones from a complimentary DNA library in sheep. <i>Tissue Engineering - Part C: Methods</i> , 2014 , 20, 780-9	2.9	1
3	Scurvy and stroke: is there an association?. <i>Medical Journal of Australia</i> , 2011 , 194, 486	4	
2	Adiponectin 2010 , 201-230		
1	Effects of Delayed Sample Processing on Determination of Total and High Molecular Weight (HMW) Adiponectin in Serum and Plasma: A Pilot Study. <i>International Journal of Chemistry</i> , 2016 , 8, 19	1.1	