Jonathan P Whitehead

List of Publications by Year in Descending Order

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	Iron Inhibits the Secretion of Apolipoprotein E in Cultured Human Adipocytes. *Cellular and Molecular Gastroenterology and Hepatology*, **2018**, 6, 215-217.e8	7.9	5
84	Muscle-specific overexpression of AdipoR1 or AdipoR2 gives rise to common and discrete local effects whilst AdipoR2 promotes additional systemic effects. *Scientific Reports*, **2017**, 7, 41792	4.9	10
83	Ectodermal-Neural Cortex 1 Isoforms Have Contrasting Effects on MC3T3-E1 Osteoblast Mineralization and Gene Expression. *Journal of Cellular Biochemistry*, **2017**, 118, 2141-2150	4.7	3
82	Characterization of cold-induced remodelling reveals depot-specific differences across and within brown and white adipose tissues in mice. *Acta Physiologica*, **2016**, 217, 311-24	5.6	40
81	Development of an enzyme-linked immunosorbent assay for thrombospondin-1 and comparison of human plasma and serum concentrations. *Annals of Clinical Biochemistry*, **2016**, 53, 606-10	2.2	7
80	Thrombospondin-1 is a glucocorticoid responsive protein in humans. *European Journal of Endocrinology*, **2016**, 174, 193-201	6.5	4
79	Effects of Delayed Sample Processing on Determination of Total and High Molecular Weight (HMW) Adiponectin in Serum and Plasma: A Pilot Study. *International Journal of Chemistry*, **2016**, 8, 19	1.1	
78	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. *Growth Factors*, **2016**, 34, 210-216	1.6	12
77	Identification of carboxypeptidase X (CPX)-1 as a positive regulator of adipogenesis. *FASEB Journal*, **2016**, 30, 2528-40	0.9	10
76	Nutrient and immune sensing are obligate pathways in metabolism, immunity, and disease. *FASEB Journal*, **2015**, 29, 3612-25	0.9	19
75	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. *Molecular and Cellular Endocrinology*, **2015**, 409, 121-9	4.4	6
74	Induction of heme-oxygenase-1 (HO-1) does not enhance adiponectin production in human adipocytes: Evidence against a direct HO-1 - Adiponectin axis. *Molecular and Cellular Endocrinology*, **2015**, 413, 209-16	4.4	7
73	Carboxypeptidase X-1 (CPX-1) is a secreted collagen-binding glycoprotein. *Biochemical and Biophysical Research Communications*, **2015**, 468, 894-9	3.4	8
72	The feasibility of an exercise intervention in males at risk of oesophageal adenocarcinoma: a randomized controlled trial. *PLoS ONE*, **2015**, 10, e0117922	3.7	7
71	Obesity and sex influence insulin resistance and total and multimer adiponectin levels in adult neutered domestic shorthair client-owned cats. *Domestic Animal Endocrinology*, **2014**, 47, 55-64	2.3	23
70	Glycemic control in diabetes is restored by therapeutic manipulation of cytokines that regulate beta cell stress. *Nature Medicine*, **2014**, 20, 1417-26	50.5	169
69	A polymerase chain reaction-based method for isolating clones from a complimentary DNA library in sheep. *Tissue Engineering - Part C: Methods*, **2014**, 20, 780-9	2.9	1

68	A randomized trial of sodium-restriction on kidney function, fluid volume and adipokines in CKD patients. *BMC Nephrology*, **2014**, 15, 57	2.7	38
67	GLP-1(28-36)amide, the Glucagon-like peptide-1 metabolite: friend, foe, or pharmacological folly?. *Drug Design, Development and Therapy*, **2014**, 8, 677-88	4.4	2
66	Resveratrol does not benefit patients with nonalcoholic fatty liver disease. *Clinical Gastroenterology and Hepatology*, **2014**, 12, 2092-103.e1-6	6.9	198
65	Postprandial total and HMW adiponectin following a high-fat meal in lean, obese and diabetic men. *European Journal of Clinical Nutrition*, **2013**, 67, 377-84	5.2	21
64	Characterisation of the adiponectin receptors: the non-conserved N-terminal region of AdipoR2 prevents its expression at the cell-surface. *Biochemical and Biophysical Research Communications*, **2013**, 432, 28-33	3.4	7
63	The effect of 25-hydroxyvitamin D on insulin sensitivity in obesity: is it mediated via adiponectin?. *Canadian Journal of Physiology and Pharmacology*, **2013**, 91, 496-501	2.4	10
62	Dichloroacetate inhibits aerobic glycolysis in multiple myeloma cells and increases sensitivity to bortezomib. *British Journal of Cancer*, **2013**, 108, 1624-33	8.7	91
61	Ascending dose-controlled trial of beloranib, a novel obesity treatment for safety, tolerability, and weight loss in obese women. *Obesity*, **2013**, 21, 1782-8	8	48
60	Different characteristics and nucleotide binding properties of inosine monophosphate dehydrogenase (IMPDH) isoforms. *PLoS ONE*, **2012**, 7, e51096	3.7	50
59	Identification of BMP and activin membrane-bound inhibitor (BAMBI) as a potent negative regulator of adipogenesis and modulator of autocrine/paracrine adipogenic factors. *Diabetes*, **2012**, 61, 124-36	0.9	52
58	Structure, signalling and physiologic role of adiponectin-dietary and exercise- related variations. *Current Medicinal Chemistry*, **2012**, 19, 5427-43	4.3	12
57	Overexpression of the adiponectin receptor AdipoR1 in rat skeletal muscle amplifies local insulin sensitivity. *Endocrinology*, **2012**, 153, 5231-46	4.8	50
56	The role of liver fructose-1,6-bisphosphatase in regulating appetite and adiposity. *Diabetes*, **2012**, 61, 1122-32	0.9	29
55	An inhibitor of phospholipase A2 group IIA modulates adipocyte signaling and protects against diet-induced metabolic syndrome in rats. *Diabetes*, **2012**, 61, 2320-9	0.9	44
54	Diabetes: New conductors for the peroxisome proliferator-activated receptor [(PPAR)]orchestra. *International Journal of Biochemistry and Cell Biology*, **2011**, 43, 1071-4	5.6	23
53	Distinct adiponectin profiles might contribute to differences in susceptibility to type 2 diabetes in dogs and humans. *Domestic Animal Endocrinology*, **2011**, 41, 67-73	2.3	28
52	Adiposity and adiponectin in dogs: investigation of causes of discrepant results between two studies. *Domestic Animal Endocrinology*, **2011**, 41, 35-41	2.3	18
51	A putative role for endogenous FGF-2 in FGF-1 mediated differentiation of human preadipocytes. *Molecular and Cellular Endocrinology*, **2011**, 339, 165-71	4.4	23

50	Scurvy and stroke: is there an association?. *Medical Journal of Australia*, **2011**, 194, 486	4	
49	Adiponectin profiles are affected by chronic and acute changes in carbohydrate intake in healthy cats. *General and Comparative Endocrinology*, **2011**, 172, 468-74	3	16
48	Synergistic effects of ascorbic acid and thiazolidinedione on secretion of high molecular weight adiponectin from human adipocytes. *Diabetes, Obesity and Metabolism*, **2010**, 12, 1084-9	6.7	17
47	The effect of a high-fat meal on postprandial arterial stiffness in men with obesity and type 2 diabetes. *Journal of Clinical Endocrinology and Metabolism*, **2010**, 95, 4455-9	5.6	18
46	Sialic acid modification of adiponectin is not required for multimerization or secretion but determines half-life in circulation. *Molecular Endocrinology*, **2010**, 24, 229-39		37
45	Adiponectin--it's all about the modifications. *International Journal of Biochemistry and Cell Biology*, **2010**, 42, 785-8	5.6	74
44	ERp46 binds to AdipoR1, but not AdipoR2, and modulates adiponectin signalling. *Biochemical and Biophysical Research Communications*, **2010**, 392, 234-9	3.4	49
43	Adiponectin **2010**, 201-230		
42	Fibroblast growth factor receptor 1 is a key regulator of early adipogenic events in human preadipocytes. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 296, E121-31	6	79
41	Inhibition of inosine monophosphate dehydrogenase reduces adipogenesis and diet-induced obesity. *Biochemical and Biophysical Research Communications*, **2009**, 386, 351-5	3.4	7
40	Reduced phosphorylation of AS160 contributes to glucocorticoid-mediated inhibition of glucose uptake in human and murine adipocytes. *Molecular and Cellular Endocrinology*, **2009**, 302, 33-40	4.4	14
39	Characterisation of inosine monophosphate dehydrogenase expression during retinal development: differences between variants and isoforms. *International Journal of Biochemistry and Cell Biology*, **2008**, 40, 1716-28	5.6	40
38	Adrenaline potentiates insulin-stimulated PKB activation in the rat fast-twitch epitrochlearis muscle without affecting IRS-1-associated PI 3-kinase activity. *Pflugers Archiv European Journal of Physiology*, **2008**, 456, 969-78	4.6	12
37	Raised alanine transaminase and decreased adiponectin are features of the metabolic syndrome in patients with type 2 diabetes. *Diabetes, Obesity and Metabolism*, **2007**, 9, 438-40	6.7	8
36	Adiponectin multimerization is dependent on conserved lysines in the collagenous domain: evidence for regulation of multimerization by alterations in posttranslational modifications. *Molecular Endocrinology*, **2006**, 20, 1673-87		144
35	Muscle glycogen inharmoniously regulates glycogen synthase activity, glucose uptake, and proximal insulin signaling. *American Journal of Physiology - Endocrinology and Metabolism*, **2006**, 290, E154-E162	6	82
34	TNF and TNF receptor expression and insulin sensitivity in human omental and subcutaneous adipose tissue--influence of BMI and adipose distribution. *Diabetes and Vascular Disease Research*, **2006**, 3, 26-33	3.3	39
33	Characterization of the transcriptional and functional effects of fibroblast growth factor-1 on human preadipocyte differentiation. *FASEB Journal*, **2006**, 20, 2615-7	0.9	62

32	The subcellular fractionation properties and function of insulin receptor substrate-1 (IRS-1) are independent of cytoskeletal integrity. *International Journal of Biochemistry and Cell Biology*, **2006**, 38, 1686-99	5.6	8
31	Olanzapine treatment is associated with reduced high molecular weight adiponectin in serum: a potential mechanism for olanzapine-induced insulin resistance in patients with schizophrenia. *Journal of Clinical Psychopharmacology*, **2006**, 26, 232-7	1.7	50
30	Adiponectin--a key adipokine in the metabolic syndrome. *Diabetes, Obesity and Metabolism*, **2006**, 8, 264-89	6.7	468
29	The health-promoting school: what role for nursing?. *Journal of Clinical Nursing*, **2006**, 15, 264-71	3.2	72
28	Adipose tissue from pregnant women with and without gestational diabetes mellitus: insulin-sensitive but resistant to hyperosomolarity. *American Journal of Obstetrics and Gynecology*, **2005**, 193, 2017-23	6.4	3
27	High molecular weight adiponectin correlates with insulin sensitivity in patients with hepatitis C genotype 3, but not genotype 1 infection. *American Journal of Gastroenterology*, **2005**, 100, 2717-23	0.7	49
26	Fibroblast growth factor 1: a key regulator of human adipogenesis. *Diabetes*, **2004**, 53, 3097-106	0.9	117
25	Insulin and oleate promote translocation of inosine-5Tmonophosphate dehydrogenase to lipid bodies. *Traffic*, **2004**, 5, 739-49	5.7	29
24	IRS-1 regulation in health and disease. *IUBMB Life*, **2003**, 55, 367-74	4.7	47
23	Genetic variants of insulin receptor substrate-1 (IRS-1) in syndromes of severe insulin resistance. Functional analysis of Ala513Pro and Gly1158Glu IRS-1. *Diabetic Medicine*, **2002**, 19, 804-9	3.5	11
22	Glucose uptake and insulin action in human adipose tissue--influence of BMI, anatomical depot and body fat distribution. *International Journal of Obesity*, **2002**, 26, 17-23	5.5	60
21	GLUT4--at the cross roads between membrane trafficking and signal transduction. *Traffic*, **2001**, 2, 2-11	5.7	87
20	The role of Ca2+ in insulin-stimulated glucose transport in 3T3-L1 cells. *Journal of Biological Chemistry*, **2001**, 276, 27816-24	5.4	114
19	Nocodazole inhibits insulin-stimulated glucose transport in 3T3-L1 adipocytes via a microtubule-independent mechanism. *Journal of Biological Chemistry*, **2001**, 276, 43829-35	5.4	42
18	Potentiation 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. *Molecular Endocrinology*, **2001**, 15, 1729-38		80
17	Class II phosphoinositide 3-kinase is activated by insulin but not by contraction in skeletal muscle. *Archives of Biochemistry and Biophysics*, **2001**, 396, 244-8	4.1	32
16	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. *Journal of Biological Chemistry*, **2001**, 276, 9149-57	5.4	79
15	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. *Biochemical Journal*, **2000**, 349 Pt 3, 775-81	3.8	37

14	Depot-related and thiazolidinedione-responsive expression of uncoupling protein 2 (UCP2) in human adipocytes. *International Journal of Obesity*, **2000**, 24, 585-92	5.5	23
13	Signalling through the insulin receptor. *Current Opinion in Cell Biology*, **2000**, 12, 222-8	9	103
12	Natural variants of human p85 alpha phosphoinositide 3-kinase in severe insulin resistance: a novel variant with impaired insulin-stimulated lipid kinase activity. *Diabetologia*, **2000**, 43, 321-31	10.3	30
11	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. *Diabetes*, **2000**, 49, 1264-8	0.9	13
10	Truncated human leptin (delta133) associated with extreme obesity undergoes proteasomal degradation after defective intracellular transport. *Endocrinology*, **1999**, 140, 1718-23	4.8	52
9	Differences in signaling properties of the cytoplasmic domains of the insulin receptor and insulin-like growth factor receptor in 3T3-L1 adipocytes. *Journal of Biological Chemistry*, **1999**, 274, 30864-73	5.4	54
8	Multiple molecular mechanisms of insulin receptor dysfunction in a patient with Donohue syndrome. *Diabetes*, **1998**, 47, 1362-4	0.9	21
7	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. *Diabetes*, **1998**, 47, 837-9	0.9	27
6	ob gene mutations and human obesity. *Proceedings of the Nutrition Society*, **1998**, 57, 471-5	2.9	35
5	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. *Journal of Clinical Investigation*, **1998**, 101, 1111-20	15.9	36
4	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. *Journal of Biological Chemistry*, **1997**, 272, 30208-14	5.4	67
3	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. *Journal of Biological Chemistry*, **1997**, 272, 24325-32	5.4	27
2	Congenital leptin deficiency is associated with severe early-onset obesity in humans. *Nature*, **1997**, 387, 903-8	50.4	2309
1	Expression of the putative inhibitor of the insulin receptor tyrosine kinase PC-1 in dermal fibroblasts from patients with syndromes of severe insulin resistance. *Clinical Endocrinology*, **1997**, 47, 65-70	3.4	13