

Phillip J. White

List of Publications by Citations

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Version: 2024-04-29

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34
papers

2,007
citations

20
h-index

42
g-index

42
ext. papers

2,637
ext. citations

11.6
avg, IF

4.78
L-index

#	Paper	IF	Citations
34	Distinct patterns of tissue-specific lipid accumulation during the induction of insulin resistance in mice by high-fat feeding. <i>Diabetologia</i> , 2013 , 56, 1638-48	10.3	284
33	BCAA catabolism in brown fat controls energy homeostasis through SLC25A44. <i>Nature</i> , 2019 , 572, 614-619.	49.4	172
32	Insulin reverses the high-fat diet-induced increase in brain A β and improves memory in an animal model of Alzheimer disease. <i>Diabetes</i> , 2014 , 63, 4291-301	0.9	150
31	Branched-chain amino acid restriction in Zucker-fatty rats improves muscle insulin sensitivity by enhancing efficiency of fatty acid oxidation and acyl-glycine export. <i>Molecular Metabolism</i> , 2016 , 5, 538-551	8.8	139
30	Transgenic restoration of long-chain n-3 fatty acids in insulin target tissues improves resolution capacity and alleviates obesity-linked inflammation and insulin resistance in high-fat-fed mice. <i>Diabetes</i> , 2010 , 59, 3066-73	0.9	133
29	Long-chain omega-3 fatty acids regulate bovine whole-body protein metabolism by promoting muscle insulin signalling to the Akt-mTOR-S6K1 pathway and insulin sensitivity. <i>Journal of Physiology</i> , 2007 , 579, 269-84	3.9	123
28	The BCKDH Kinase and Phosphatase Integrate BCAA and Lipid Metabolism via Regulation of ATP-Citrate Lyase. <i>Cell Metabolism</i> , 2018 , 27, 1281-1293.e7	24.6	115
27	Branched-chain amino acids in disease. <i>Science</i> , 2019 , 363, 582-583	33.3	107
26	Brain insulin lowers circulating BCAA levels by inducing hepatic BCAA catabolism. <i>Cell Metabolism</i> , 2014 , 20, 898-909	24.6	90
25	Protectin DX alleviates insulin resistance by activating a myokine-liver gluco regulatory axis. <i>Nature Medicine</i> , 2014 , 20, 664-9	50.5	85
24	Impact of combined resistance and aerobic exercise training on branched-chain amino acid turnover, glycine metabolism and insulin sensitivity in overweight humans. <i>Diabetologia</i> , 2015 , 58, 2324-2335.	10.3	82
23	Differential effects of various fish proteins in altering body weight, adiposity, inflammatory status, and insulin sensitivity in high-fat-fed rats. <i>Metabolism: Clinical and Experimental</i> , 2011 , 60, 1122-30	12.7	76
22	Loss of BCAA Catabolism during Carcinogenesis Enhances mTORC1 Activity and Promotes Tumor Development and Progression. <i>Cell Metabolism</i> , 2019 , 29, 1151-1165.e6	24.6	63
21	Age-dependent impairment of glucose tolerance in the 3xTg-AD mouse model of Alzheimer's disease. <i>FASEB Journal</i> , 2015 , 29, 4273-84	0.9	62
20	Endotoxin mediated-iNOS induction causes insulin resistance via ONOO ⁻ induced tyrosine nitration of IRS-1 in skeletal muscle. <i>PLoS ONE</i> , 2010 , 5, e15912	3.7	54
19	Nitrosative modifications of protein and lipid signaling molecules by reactive nitrogen species. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 299, E868-78	6	35
18	Transgenic β PUFA enrichment alters morphology and gene expression profile in adipose tissue of obese mice: Potential role for protectins. <i>Metabolism: Clinical and Experimental</i> , 2015 , 64, 666-76	12.7	33

17	Impaired thermoregulation and beneficial effects of thermoneutrality in the 3Tg-AD model of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016 , 43, 47-57	5.6	32
16	Is omega-3 key to unlocking inflammation in obesity?. <i>Diabetologia</i> , 2006 , 49, 1999-2001	10.3	29
15	Muscle-Liver Trafficking of BCAA-Derived Nitrogen Underlies Obesity-Related Glycine Depletion. <i>Cell Reports</i> , 2020 , 33, 108375	10.6	20
14	Branched-chain ketoacids are preferentially reaminated and activate protein synthesis in the heart. <i>Nature Communications</i> , 2021 , 12, 1680	17.4	20
13	Acute suppression of insulin resistance-associated hepatic miR-29 in vivo improves glycemic control in adult mice. <i>Physiological Genomics</i> , 2019 , 51, 379-389	3.6	18
12	Dietary branched-chain amino acid restriction alters fuel selection and reduces triglyceride stores in hearts of Zucker fatty rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 318, E216-E223	6	17
11	Potential role of omega-3-derived resolution mediators in metabolic inflammation. <i>Immunology and Cell Biology</i> , 2014 , 92, 324-30	5	12
10	Insulin action, type 2 diabetes, and branched-chain amino acids: A two-way street. <i>Molecular Metabolism</i> , 2021 , 52, 101261	8.8	12
9	Lowering circulating apolipoprotein E levels improves aged bone fracture healing. <i>JCI Insight</i> , 2019 , 4,	9.9	10
8	MiR-29 Regulates Lipogenesis in the Liver and Circulating Triglyceride Levels in a Sirt1-Dependent Manner. <i>Frontiers in Physiology</i> , 2019 , 10, 1367	4.6	9
7	BCAA Supplementation in Mice with Diet-induced Obesity Alters the Metabolome Without Impairing Glucose Homeostasis. <i>Endocrinology</i> , 2021 , 162,	4.8	7
6	Feeding diversified protein sources exacerbates hepatic insulin resistance via increased gut microbial branched-chain fatty acids and mTORC1 signaling in obese mice. <i>Nature Communications</i> , 2021 , 12, 3377	17.4	7
5	Inflammation-Induced Insulin Resistance in Obesity When Immunity Affects Metabolic Control 2008 ,		3
4	Impact of lifestyle Intervention on branched-chain amino acid catabolism and insulin sensitivity in adolescents with obesity. <i>Endocrinology, Diabetes and Metabolism</i> , 2021 , 4, e00250	2.7	2
3	Metabolic flexibility via mitochondrial BCAA carrier SLC25A44 is required for optimal fever. <i>ELife</i> , 2021 , 10,	8.9	2
2	Hepatic IRF3 fuels dysglycemia in obesity through direct regulation of .. <i>Science Translational Medicine</i> , 2022 , 14, eabh3831	17.5	2
1	Insights Into Metabolic Mechanisms and Their Application in the Treatment of NASH. <i>Clinical Liver Disease</i> , 2021 , 17, 29-32	2.2	1