Andre Marette

List of Publications by Year
in descending order

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252 papers	22,999 citations	14614 66 h-index	9839 141 g-index
259 all docs	259 docs citations	259 times ranked	35010 citing authors

#	Article	IF	Citations
1	Genetic studies of body mass index yield new insights for obesity biology. Nature, 2015, 518, 197-206.	13.7	3,823
2	Defining the role of common variation in the genomic and biological architecture of adult human height. Nature Genetics, 2014, 46, 1173-1186.	9.4	1,818
3	New genetic loci link adipose and insulin biology to body fat distribution. Nature, 2015, 518, 187-196.	13.7	1,328
4	A polyphenol-rich cranberry extract protects from diet-induced obesity, insulin resistance and intestinal inflammation in association with increasedAkkermansiaspp. population in the gut microbiota of mice. Gut, 2015, 64, 872-883.	6.1	910
5	Metformin, Independent of AMPK, Inhibits mTORC1 in a Rag GTPase-Dependent Manner. Cell Metabolism, 2010, 11, 390-401.	7.2	747
6	Increased Activation of the Mammalian Target of Rapamycin Pathway in Liver and Skeletal Muscle of Obese Rats: Possible Involvement in Obesity-Linked Insulin Resistance. Endocrinology, 2005, 146, 1473-1481.	1.4	485
7	Targeted disruption of inducible nitric oxide synthase protects against obesity-linked insulin resistance in muscle. Nature Medicine, 2001, 7, 1138-1143.	15.2	466
8	Amino Acid and Insulin Signaling via the mTOR/p70 S6 Kinase Pathway. Journal of Biological Chemistry, 2001, 276, 38052-38060.	1.6	466
9	Identification of IRS-1 Ser-1101 as a target of S6K1 in nutrient- and obesity-induced insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 14056-14061.	3.3	395
10	Chronic Rapamycin Treatment Causes Glucose Intolerance and Hyperlipidemia by Upregulating Hepatic Gluconeogenesis and Impairing Lipid Deposition in Adipose Tissue. Diabetes, 2010, 59, 1338-1348.	0.3	383
11	Activation of PKC-Î´ and SHP-1 by hyperglycemia causes vascular cell apoptosis and diabetic retinopathy. Nature Medicine, 2009, 15, 1298-1306.	15.2	375
12	Regulation of expression of glucose transporters by glucose: a review of studies in vivo and in cell cultures. FASEB Journal, 1994, 8, 43-53.	0.2	323
13	Overactivation of S6 Kinase 1 as a Cause of Human Insulin Resistance During Increased Amino Acid Availability. Diabetes, 2005, 54, 2674-2684.	0.3	320
14	AMPK in skeletal muscle function and metabolism. FASEB Journal, 2018, 32, 1741-1777.	0.2	289
15	Effect ofLactobacillus rhamnosusCGMCC1.3724 supplementation on weight loss and maintenance in obese men and women. British Journal of Nutrition, 2014, 111, 1507-1519.	1.2	272
16	Role of Dietary Proteins and Amino Acids in the Pathogenesis of Insulin Resistance. Annual Review of Nutrition, 2007, 27, 293-310.	4.3	257
17	Cod and soy proteins compared with casein improve glucose tolerance and insulin sensitivity in rats. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E491-E500.	1.8	209
18	Treatment with camu camu (Myrciaria dubia) prevents obesity by altering the gut microbiota and increasing energy expenditure in diet-induced obese mice. Gut, 2019, 68, 453-464.	6.1	200

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19	Insulin Reverses the High-Fat Dietâ€“Induced Increase in Brain AÎ² and Improves Memory in an Animal Model of Alzheimer Disease. Diabetes, 2014, 63, 4291-4301.	0.3	197
20	Autotaxin Derived From Lipoprotein(a) and Valve Interstitial Cells Promotes Inflammation and Mineralization of the Aortic Valve. Circulation, 2015, 132, 677-690.	1.6	185
21	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. FASEB Journal, 2014, 28, 3211-3224.	0.2	182
22	Insulin stimulation of glucose uptake in skeletal muscles and adipose tissues in vivo is NO dependent. American Journal of Physiology - Endocrinology and Metabolism, 1998, 274, E692-E699.	1.8	168
23	Activation of the Mammalian Target of Rapamycin Pathway Acutely Inhibits Insulin Signaling to Akt and Glucose Transport in 3T3-L1 and Human Adipocytes. Endocrinology, 2005, 146, 1328-1337.	1.4	160
24	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-Fatâ€“Fed Mice. Diabetes, 2010, 59, 3066-3073.	0.3	160
25	Nobiletin Attenuates VLDL Overproduction, Dyslipidemia, and Atherosclerosis in Mice With Diet-Induced Insulin Resistance. Diabetes, 2011, 60, 1446-1457.	0.3	160
26	Type 2 diabetes influences bacterial tissue compartmentalisation in human obesity. Nature Metabolism, 2020, 2, 233-242.	5.1	158
27	Insulin Induces the Translocation of GLUT4 From a Unique Intracellular Organelle to Transverse Tubules in Rat Skeletal Muscle. Diabetes, 1992, 41, 1562-1569.	0.3	157
28	Cytokines modulate glucose transport in skeletal muscle by inducing the expression of inducible nitric oxide synthase. Biochemical Journal, 1997, 325, 487-493.	1.7	153
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. Journal of Physiology, 2007, 579, 269-284.	1.3	152
30	Gut Microbiota Dysbiosis in Obesity-Linked Metabolic Diseases and Prebiotic Potential of Polyphenol-Rich Extracts. Current Obesity Reports, 2015, 4, 389-400.	3.5	146
31	Inhibition of Inducible Nitric-oxide Synthase by Activators of AMP-activated Protein Kinase. Journal of Biological Chemistry, 2004, 279, 20767-20774.	1.6	145
32	Visceral obesity and the heart. International Journal of Biochemistry and Cell Biology, 2008, 40, 821-836.	1.2	142
33	The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. Nature Medicine, 2006, 12, 549-556.	15.2	141
34	Prevention of skeletal muscle insulin resistance by dietary cod protein in high fat-fed rats. American Journal of Physiology - Endocrinology and Metabolism, 2001, 281, E62-E71.	1.8	135
35	NF-Î°B-Mediated MyoD Decay during Muscle Wasting Requires Nitric Oxide Synthase mRNA Stabilization, HuR Protein, and Nitric Oxide Release. Molecular and Cellular Biology, 2005, 25, 6533-6545.	1.1	134
36	A polyphenol-rich cranberry extract reverses insulin resistance and hepatic steatosis independently of body weight loss. Molecular Metabolism, 2017, 6, 1563-1573.	3.0	132

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37	Mediators of cytokine-induced insulin resistance in obesity and other inflammatory settings. Current Opinion in Clinical Nutrition and Metabolic Care, 2002, 5, 377-383.	1.3	126
38	Strawberry and cranberry polyphenols improve insulin sensitivity in insulin-resistant, non-diabetic adults: a parallel, double-blind, controlled and randomised clinical trial. British Journal of Nutrition, 2017, 117, 519-531.	1.2	120
39	TriggeringAkkermansiawith dietary polyphenols: A new weapon to combat the metabolic syndrome?. Gut Microbes, 2016, 7, 146-153.	4.3	113
40	Major involvement of mTOR in the PPARÎ³-induced stimulation of adipose tissue lipid uptake and fat accretion. Journal of Lipid Research, 2012, 53, 1117-1125.	2.0	110
41	Polyphenols and type 2 diabetes: A prospective review. PharmaNutrition, 2013, 1, 105-114.	0.8	106
42	The AMPâ€activated protein kinase activator AICAR does not induce GLUT4 translocation to transverse tubules but stimulates glucose uptake and p38 mitogenâ€activated protein kinases Î± and Î² in skeletal muscle. FASEB Journal, 2003, 17, 1658-1665.	0.2	104
43	Probiotics as Complementary Treatment for Metabolic Disorders. Diabetes and Metabolism Journal, 2015, 39, 291.	1.8	104
44	Alterations of plasma metabolite profiles related to adipose tissue distribution and cardiometabolic risk. American Journal of Physiology - Endocrinology and Metabolism, 2015, 309, E736-E746.	1.8	104
45	Dietary Cod Protein Restores Insulin-Induced Activation of Phosphatidylinositol 3-Kinase/Akt and GLUT4 Translocation to the T-Tubules in Skeletal Muscle of High-Fat-Fed Obese Rats. Diabetes, 2003, 52, 29-37.	0.3	103
46	Protectin DX alleviates insulin resistance by activating a myokine-liver glucoregulatory axis. Nature Medicine, 2014, 20, 664-669.	15.2	103
47	Anti-diabetic and antihypertensive activities of two flaxseed protein hydrolysate fractions revealed following their simultaneous separation by electrodialysis with ultrafiltration membranes. Food Chemistry, 2014, 145, 66-76.	4.2	101
48	Inducible Nitric Oxide Synthase Induction Underlies Lipid-Induced Hepatic Insulin Resistance in Mice. Diabetes, 2010, 59, 861-871.	0.3	97
49	Potential Health Benefits of Combining Yogurt and Fruits Based on Their Probiotic and Prebiotic Properties. Advances in Nutrition, 2017, 8, 155S-164S.	2.9	94
50	Differential effects of various fish proteins in altering body weight, adiposity, inflammatory status, and insulin sensitivity in high-fatâ€“fed rats. Metabolism: Clinical and Experimental, 2011, 60, 1122-1130.	1.5	90
51	Prevention of oxidative stress, inflammation and mitochondrial dysfunction in the intestine by different cranberry phenolic fractions. Clinical Science, 2015, 128, 197-212.	1.8	89
52	Effects of a Diet-Based Weight-Reducing Program with Probiotic Supplementation on Satiety Efficiency, Eating Behaviour Traits, and Psychosocial Behaviours in Obese Individuals. Nutrients, 2017, 9, 284.	1.7	88
53	Berry Polyphenols and Fibers Modulate Distinct Microbial Metabolic Functions and Gut Microbiota Enterotype-Like Clustering in Obese Mice. Frontiers in Microbiology, 2020, 11, 2032.	1.5	87
54	A Natural Polyphenol Exerts Antitumor Activity and Circumvents Antiâ€“PD-1 Resistance through Effects on the Gut Microbiota. Cancer Discovery, 2022, 12, 1070-1087.	7.7	86

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55	Defining the Contribution of AMP-activated Protein Kinase (AMPK) and Protein Kinase C (PKC) in Regulation of Glucose Uptake by Metformin in Skeletal Muscle Cells. Journal of Biological Chemistry, 2012, 287, 20088-20099.	1.6	84
56	Ageâ€dependent impairment of glucose tolerance in the 3xTgâ€AD mouse model of Alzheimer's disease. FASEB Journal, 2015, 29, 4273-4284.	0.2	84
57	The Bacterium Akkermansia muciniphila: A Sentinel for Gut Permeability and Its Relevance to HIV-Related Inflammation. Frontiers in Immunology, 2020, 11, 645.	2.2	84
58	Acute and chronic signals controlling glucose transport in skeletal muscle. Journal of Cellular Biochemistry, 1992, 48, 51-60.	1.2	81
59	Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice. Scientific Reports, 2020, 10, 2217.	1.6	81
60	Functional significance of skeletal muscle adiponectin production, changes in animal models of obesity and diabetes, and regulation by rosiglitazone treatment. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E657-E664.	1.8	77
61	OxLDL-derived lysophosphatidic acid promotes the progression of aortic valve stenosis through a LPAR1-RhoAâ€“NF-ÎºB pathway. Cardiovascular Research, 2017, 113, 1351-1363.	1.8	76
62	Arctic berry extracts target the gutâ€“liver axis to alleviate metabolic endotoxaemia, insulin resistance and hepatic steatosis in diet-induced obese mice. Diabetologia, 2018, 61, 919-931.	2.9	76
63	Metabolic Syndrome Exacerbates Pulmonary Hypertension due to Left Heart Disease. Circulation Research, 2019, 125, 449-466.	2.0	73
64	The Gut Microbiota as a Mediator of Metabolic Benefits after Bariatric Surgery. Canadian Journal of Diabetes, 2017, 41, 439-447.	0.4	71
65	Comprehensive analysis of phenolic compounds and abscisic acid profiles of twelve native Canadian berries. Journal of Food Composition and Analysis, 2015, 44, 214-224.	1.9	70
66	Exercise Induces the Translocation of GLUT4 to Transverse Tubules from an Intracellular Pool in Rat Skeletal Muscle. Biochemical and Biophysical Research Communications, 1996, 223, 147-152.	1.0	69
67	Role of protein tyrosine phosphatases in the modulation of insulin signaling and their implication in the pathogenesis of obesity-linked insulin resistance. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 79-97.	2.6	69
68	Perilipin 5 fine-tunes lipid oxidation to metabolic demand and protects against lipotoxicity in skeletal muscle. Scientific Reports, 2016, 6, 38310.	1.6	69
69	Expression of Î² subunit isoforms of the Na+,K+-ATPase is muscle type-specific. FEBS Letters, 1993, 328, 253-258.	1.3	68
70	Yogurt and Cardiometabolic Diseases: A Critical Review of Potential Mechanisms. Advances in Nutrition, 2017, 8, 812-829.	2.9	68
71	Fish oil and argan oil intake differently modulate insulin resistance and glucose intolerance in a rat model of dietary-induced obesity. Metabolism: Clinical and Experimental, 2009, 58, 909-919.	1.5	67
72	Modulation of insulin action by dietary proteins and amino acids: role of the mammalian target of rapamycin nutrient sensing pathway. Current Opinion in Clinical Nutrition and Metabolic Care, 2005, 8, 457-462.	1.3	64

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73	Overexpression of Rad in muscle worsens diet-induced insulin resistance and glucose intolerance and lowers plasma triglyceride level. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 4481-4486.	3.3	64
74	Effects of 6-month vitamin D supplementation on insulin sensitivity and secretion: a randomised, placebo-controlled trial. European Journal of Endocrinology, 2019, 181, 287-299.	1.9	64
75	Endotoxin Mediated-iNOS Induction Causes Insulin Resistance via ONOOâ¯ Induced Tyrosine Nitration of IRS-1 in Skeletal Muscle. PLoS ONE, 2010, 5, e15912.	1.1	59
76	Blueberry proanthocyanidins and anthocyanins improve metabolic health through a gut microbiota-dependent mechanism in diet-induced obese mice. American Journal of Physiology - Endocrinology and Metabolism, 2020, 318, E965-E980.	1.8	58
77	Obese Mice Lacking Inducible Nitric Oxide Synthase Are Sensitized to the Metabolic Actions of Peroxisome Proliferatorâ€“Activated Receptor-Î³ Agonism. Diabetes, 2008, 57, 1999-2011.	0.3	57
78	Apple peel polyphenols reduce mitochondrial dysfunction in mice with DSS-induced ulcerative colitis. Journal of Nutritional Biochemistry, 2018, 57, 56-66.	1.9	57
79	The Î±-subunit of AMPK is essential for submaximal contraction-mediated glucose transport in skeletal muscle in vitro. American Journal of Physiology - Endocrinology and Metabolism, 2008, 295, E1447-E1454.	1.8	56
80	Chronic Inhibition of the mTORC1/S6K1 Pathway Increases Insulin-Induced PI3K Activity but Inhibits Akt2 and Glucose Transport Stimulation in 3T3-L1 Adipocytes. Molecular Endocrinology, 2010, 24, 766-778.	3.7	56
81	Yogurt consumption and impact on health: focus on children and cardiometabolic risk. American Journal of Clinical Nutrition, 2014, 99, 1243S-1247S.	2.2	56
82	Low-Molecular-Weight Peptides from Salmon Protein Prevent Obesity-Linked Glucose Intolerance, Inflammation, and Dyslipidemia in LDLRâ¯/â¯/ApoB100/100 Mice. Journal of Nutrition, 2015, 145, 1415-1422.	1.3	53
83	The Impact of Dairy Products in the Development of Type 2 Diabetes: Where Does the Evidence Stand in 2019?. Advances in Nutrition, 2019, 10, 1066-1075.	2.9	53
84	Resveratrol inhibition of inducible nitric oxide synthase in skeletal muscle involves AMPK but not SIRT1. American Journal of Physiology - Endocrinology and Metabolism, 2011, 301, E922-E930.	1.8	52
85	Fish and Marine Omega-3 Polyunsatured Fatty Acid Consumption and Incidence of Type 2 Diabetes: A Systematic Review and Meta-Analysis. International Journal of Endocrinology, 2013, 2013, 1-11.	0.6	50
86	Enhancement of glucose uptake in muscular cell by peptide fractions separated by electrodialysis with filtration membrane from salmon frame protein hydrolysate. Journal of Functional Foods, 2016, 22, 337-346.	1.6	49
87	Activated platelets promote an osteogenic programme and the progression of calcific aortic valve stenosis. European Heart Journal, 2019, 40, 1362-1373.	1.0	49
88	AMPK Activation through Mitochondrial Regulation Results in Increased Substrate Oxidation and Improved Metabolic Parameters in Models of Diabetes. PLoS ONE, 2013, 8, e81870.	1.1	48
89	Impaired thermoregulation and beneficial effects of thermoneutrality in the 3Ã—Tg-AD model of Alzheimer's disease. Neurobiology of Aging, 2016, 43, 47-57.	1.5	48
90	Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease. Clinical Science, 2016, 130, 2217-2237.	1.8	48

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91	Validation of the Use of Peripheral Blood Mononuclear Cells as Surrogate Model for Skeletal Muscle Tissue in Nutrigenomic Studies. OMICS A Journal of Integrative Biology, 2011, 15, 1-7.	1.0	47
92	Enhancement of glucose uptake in muscular cell by soybean charged peptides isolated by electrodialysis with ultrafiltration membranes (EDUF): Activation of the AMPK pathway. Food Chemistry, 2014, 147, 124-130.	4.2	47
93	Pharmacological inhibition of S6K1 increases glucose metabolism and Akt signalling in vitro and in diet-induced obese mice. Diabetologia, 2016, 59, 592-603.	2.9	47
94	In vivo screening of multiple bacterial strains identifies Lactobacillus rhamnosus Lb102 and Bifidobacterium animalis ssp. lactis Bf141 as probiotics that improve metabolic disorders in a mouse model of obesity. FASEB Journal, 2019, 33, 4921-4935.	0.2	47
95	Omegaâ€3 fatty acids protect from dietâ€induced obesity, glucose intolerance, and adipose tissue inflammation through PPARÎ³â€dependent and PPARÎ³â€independent actions. Molecular Nutrition and Food Research, 2015, 59, 957-967.	1.5	46
96	Targeted Disruption of Carcinoembryonic Antigen-Related Cell Adhesion Molecule 1 Promotes Diet-Induced Hepatic Steatosis and Insulin Resistance. Endocrinology, 2009, 150, 3503-3512.	1.4	45
97	Rhubarb Supplementation Prevents Diet-Induced Obesity and Diabetes in Association with Increased Akkermansia muciniphila in Mice. Nutrients, 2020, 12, 2932.	1.7	45
98	Comparative analysis of maple syrup to other natural sweeteners and evaluation of their metabolic responses in healthy rats. Journal of Functional Foods, 2014, 11, 460-471.	1.6	44
99	Novel perspectives on fermented milks and cardiometabolic health with a focus on type 2 diabetes. Nutrition Reviews, 2018, 76, 16-28.	2.6	43
100	Metformin effect on gut microbiota: insights for HIV-related inflammation. AIDS Research and Therapy, 2020, 17, 10.	0.7	43
101	Regulation of GLUT4 traffic and function by insulin and contraction in skeletal muscle. Frontiers in Bioscience - Landmark, 2003, 8, d1072-1084.	3.0	42
102	Feeding diversified protein sources exacerbates hepatic insulin resistance via increased gut microbial branched-chain fatty acids and mTORC1 signaling in obese mice. Nature Communications, 2021, 12, 3377.	5.8	42
103	Early Development of Calcific Aortic Valve Disease and Left Ventricular Hypertrophy in a Mouse Model of Combined Dyslipidemia and Type 2 Diabetes Mellitus. Arteriosclerosis, Thrombosis, and Vascular Biology, 2014, 34, 2283-2291.	1.1	41
104	A microbial protein that alleviates metabolic syndrome. Nature Medicine, 2017, 23, 11-12.	15.2	41
105	Mechanism of adipose tissue iNOS induction in endotoxemia. American Journal of Physiology - Endocrinology and Metabolism, 1999, 276, E635-E641.	1.8	40
106	Nitrosative modifications of protein and lipid signaling molecules by reactive nitrogen species. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E868-E878.	1.8	40
107	Screening of in vitro bioactivities of a soy protein hydrolysate separated by hollow fiber and spiral-wound ultrafiltration membranes. Food Research International, 2012, 46, 237-249.	2.9	40
108	PPARÎ³ activation attenuates glucose intolerance induced by mTOR inhibition with rapamycin in rats. American Journal of Physiology - Endocrinology and Metabolism, 2014, 306, E1046-E1054.	1.8	40

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109	The hepatokine Tsukushi is released in response to NAFLD and impacts cholesterol homeostasis. JCI Insight, 2019, 4, .	2.3	39
110	Glucose transporter 4 and insulin receptor substrateâ€“1 messenger RNA expression in omental and subcutaneous adipose tissue in women. Metabolism: Clinical and Experimental, 2009, 58, 624-631.	1.5	38
111	Fish nutrients decrease expression levels of tumor necrosis factor-Î± in cultured human macrophages. Physiological Genomics, 2010, 40, 189-194.	1.0	38
112	Skeletal muscle glucose metabolism and inflammation in the development of the metabolic syndrome. Reviews in Endocrine and Metabolic Disorders, 2014, 15, 299-305.	2.6	38
113	Transgenic Ï‰-3 PUFA enrichment alters morphology and gene expression profile in adipose tissue of obese mice: Potential role for protectins. Metabolism: Clinical and Experimental, 2015, 64, 666-676.	1.5	38
114	Cardioprotective Effects of Glucose and Insulin Administration While Maintaining Normoglycemia (GIN Therapy) in Patients Undergoing Coronary Artery Bypass Grafting. Journal of Clinical Endocrinology and Metabolism, 2011, 96, 1469-1477.	1.8	36
115	Hypothermia mediates age-dependent increase of tau phosphorylation in db/db mice. Neurobiology of Disease, 2016, 88, 55-65.	2.1	36
116	Nonfunctional mutant Wrn protein leads to neurological deficits, neuronal stress, microglial alteration, and immune imbalance in a mouse model of Werner syndrome. Brain, Behavior, and Immunity, 2018, 73, 450-469.	2.0	35
117	Screening for metabolic syndrome application of a herring by-product hydrolysate after its separation by electrodialysis with ultrafiltration membrane and identification of novel anti-inflammatory peptides. Separation and Purification Technology, 2020, 235, 116205.	3.9	35
118	Lipopolysaccharide-induced Diaphragmatic Contractile Dysfunction and Sarcolemmal Injury in Mice Lacking the Neuronal Nitric Oxide Synthase. American Journal of Respiratory and Critical Care Medicine, 2001, 163, 977-982.	2.5	34
119	Hepatocyte-Specific Ptpn6 Deletion Protects From Obesity-Linked Hepatic Insulin Resistance. Diabetes, 2012, 61, 1949-1958.	0.3	34
120	Modulatory effects of a cranberry extract co-supplementation with Bacillus subtilis CU1 probiotic on phenolic compounds bioavailability and gut microbiota composition in high-fat diet-fed mice. PharmaNutrition, 2015, 3, 89-100.	0.8	34
121	Tau hyperphosphorylation in the brain of ob/ob mice is due to hypothermia: Importance of thermoregulation in linking diabetes and Alzheimer's disease. Neurobiology of Disease, 2017, 98, 1-8.	2.1	34
122	Simultaneous double cationic and anionic molecule separation from herring milt hydrolysate and impact on resulting fraction bioactivities. Separation and Purification Technology, 2019, 210, 431-441.	3.9	34
123	Repurposing Metformin in Nondiabetic People With HIV: Influence on Weight and Gut Microbiota. Open Forum Infectious Diseases, 2020, 7, ofaa338.	0.4	33
124	Gut microbiota and fermentation-derived branched chain hydroxy acids mediate health benefits of yogurt consumption in obese mice. Nature Communications, 2022, 13, 1343.	5.8	33
125	Inducible nitric oxide synthase modulates lipolysis in adipocytes. Journal of Lipid Research, 2005, 46, 135-142.	2.0	32
126	Rosiglitazone-induced heart remodelling is associated with enhanced turnover of myofibrillar protein and mTOR activation. Journal of Molecular and Cellular Cardiology, 2009, 47, 85-95.	0.9	32

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127	Loss of hepatic DEPTOR alters the metabolic transition to fasting. Molecular Metabolism, 2017, 6, 447-458.	3.0	32
128	A variant in the LRRFIP1 gene is associated with adiposity and inflammation. Obesity, 2013, 21, 185-192.	1.5	29
129	Statin-Induced Insulin Resistance Through Inflammasome Activation: Sailing Between Scylla and Charybdis. Diabetes, 2014, 63, 3569-3571.	0.3	29
130	Fungal lysozyme leverages the gut microbiota to curb DSS-induced colitis. Gut Microbes, 2021, 13, 1988836.	4.3	29
131	AMPK activation with AICAR provokes an acute fall in plasma [K+]. American Journal of Physiology - Cell Physiology, 2008, 294, C126-C135.	2.1	28
132	Hepatocyte-specificPtpn6deletion promotes hepatic lipid accretion, but reduces NAFLD in diet-induced obesity: Potential role of PPARÎ³. Hepatology, 2014, 59, 1803-1815.	3.6	28
133	Modulation of Strawberry/Cranberry Phenolic Compounds Glucuronidation by Co-Supplementation with Onion: Characterization of Phenolic Metabolites in Rat Plasma Using an Optimized Î¼SPEâ€“UHPLC-MS/MS Method. Journal of Agricultural and Food Chemistry, 2014, 62, 3244-3256.	2.4	28
134	Impact of a high hydrostatic pressure pretreatment on the separation of bioactive peptides from flaxseed protein hydrolysates by electrodialysis with ultrafiltration membranes. Separation and Purification Technology, 2019, 211, 242-251.	3.9	28
135	Gut microbiota impairs insulin clearance in obese mice. Molecular Metabolism, 2020, 42, 101067.	3.0	28
136	Altered glucose homeostasis in mice lacking the receptor protein tyrosine phosphatase sigmaThis paper is one of a selection of papers published in this Special issue, entitled Second Messengers and Phosphoproteinsâ€”12th International Conference.. Canadian Journal of Physiology and Pharmacology, 2006, 84, 755-763.	0.7	26
137	High-fat, high-sugar, and high-cholesterol consumption does not impact tau pathogenesis in a mouse model of Alzheimer's disease-like tau pathology. Neurobiology of Aging, 2016, 47, 71-73.	1.5	26
138	Loss of OcaB Prevents Age-Induced Fat Accretion and Insulin Resistance by Altering B-Lymphocyte Transition and Promoting Energy Expenditure. Diabetes, 2018, 67, 1285-1296.	0.3	25
139	Metabolic and Phenotypic Differences between Mice Producing a Werner Syndrome Helicase Mutant Protein and Wrn Null Mice. PLoS ONE, 2015, 10, e0140292.	1.1	25
140	Electrical stimulation induces fiber type-specific translocation of GLUT-4 to T tubules in skeletal muscle. American Journal of Physiology - Endocrinology and Metabolism, 1997, 273, E688-E694.	1.8	24
141	Glucose Rapidly Decreases Plasma Membrane GLUT4 Content in Rat Skeletal Muscle. Endocrine, 1999, 10, 13-18.	2.2	24
142	Hypertriglyceridemic Waist: A Simple Marker of Highâ€Risk Atherosclerosis Features Associated With Excess Visceral Adiposity/Ectopic Fat. Journal of the American Heart Association, 2018, 7, .	1.6	24
143	Lysates of Methylococcus capsulatus Bath induce a lean-like microbiota, intestinal FoxP3+RORÎ³t+IL-17+ Tregs and improve metabolism. Nature Communications, 2021, 12, 1093.	5.8	24
144	The GLUT4 glucose transporter and theÎ±2subunit of the Na+,K+-ATPase do not localize to the same intracellular vesicles in rat skeletal muscle. FEBS Letters, 1995, 366, 109-114.	1.3	23

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145	Differential effects of voluntary treadmill exercise and caloric restriction on tau pathogenesis in a mouse model of Alzheimer's disease-like tau pathology fed with Western diet. Progress in Neuro-Psychopharmacology and Biological Psychiatry, 2017, 79, 452-461.	2.5	23
146	Identification of A Novel Antibacterial Peptide from Atlantic Mackerel belonging to the GAPDH-Related Antimicrobial Family and Its In Vitro Digestibility. Marine Drugs, 2019, 17, 413.	2.2	23
147	Vitamin C modulates the metabolic and cytokine profiles, alleviates hepatic endoplasmic reticulum stress, and increases the life span of Guloâ˜'/â˜' mice. Aging, 2016, 8, 458-483.	1.4	23
148	Nitric oxide mediates endotoxinâ€induced hypertriglyceridemia through its action on skeletal muscle lipoprotein lipase. FASEB Journal, 2001, 15, 1828-1830.	0.2	22
149	Insulin Activates RSK (p90 Ribosomal S6 Kinase) to Trigger a New Negative Feedback Loop That Regulates Insulin Signaling for Glucose Metabolism. Journal of Biological Chemistry, 2013, 288, 31165-31176.	1.6	22
150	Human Paneth cell Î±-defensin-5 treatment reverses dyslipidemia and improves glucoregulatory capacity in diet-induced obese mice. American Journal of Physiology - Endocrinology and Metabolism, 2019, 317, E42-E52.	1.8	22
151	Effects of a Supplementation of n-3 Polyunsaturated Fatty Acids with or without Fish Gelatin on Gene Expression in Peripheral Blood Mononuclear Cells in Obese, Insulin-Resistant Subjects. Journal of Nutrigenetics and Nutrigenomics, 2011, 4, 192-202.	1.8	21
152	Compartmentalized CDK2 is connected with SHP-1 and Î²-catenin and regulates insulin internalization. Cellular Signalling, 2011, 23, 911-919.	1.7	21
153	Bacteria to alleviate metabolic syndrome. Nature Medicine, 2019, 25, 1031-1033.	15.2	21
154	Fitness, adiposopathy, and adiposity are independent predictors of insulin sensitivity in middle-aged men without diabetes. Journal of Physiology and Biochemistry, 2016, 72, 435-444.	1.3	20
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