

# Andre Marette

## List of Publications by Citations

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241  
papers

17,262  
citations

58  
h-index

128  
g-index

259  
ext. papers

20,613  
ext. citations

7.4  
avg, IF

6.4  
L-index

#	Paper	IF	Citations
241	Genetic studies of body mass index yield new insights for obesity biology. <i>Nature</i> , <b>2015</b> , 518, 197-206	50.4	2687
240	Defining the role of common variation in the genomic and biological architecture of adult human height. <i>Nature Genetics</i> , <b>2014</b> , 46, 1173-86	36.3	1339
239	New genetic loci link adipose and insulin biology to body fat distribution. <i>Nature</i> , <b>2015</b> , 518, 187-196	50.4	920
238	A polyphenol-rich cranberry extract protects from diet-induced obesity, insulin resistance and intestinal inflammation in association with increased Akkermansia spp. population in the gut microbiota of mice. <i>Gut</i> , <b>2015</b> , 64, 872-83	19.2	695
237	Metformin, independent of AMPK, inhibits mTORC1 in a rag GTPase-dependent manner. <i>Cell Metabolism</i> , <b>2010</b> , 11, 390-401	24.6	631
236	Increased activation of the mammalian target of rapamycin pathway in liver and skeletal muscle of obese rats: possible involvement in obesity-linked insulin resistance. <i>Endocrinology</i> , <b>2005</b> , 146, 1473-81	4.8	427
235	Targeted disruption of inducible nitric oxide synthase protects against obesity-linked insulin resistance in muscle. <i>Nature Medicine</i> , <b>2001</b> , 7, 1138-43	50.5	414
234	Amino acid and insulin signaling via the mTOR/p70 S6 kinase pathway. A negative feedback mechanism leading to insulin resistance in skeletal muscle cells. <i>Journal of Biological Chemistry</i> , <b>2001</b> , 276, 38052-60	5.4	407
233	Identification of IRS-1 Ser-1101 as a target of S6K1 in nutrient- and obesity-induced insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 14056-61	11.5	336
232	Chronic rapamycin treatment causes glucose intolerance and hyperlipidemia by upregulating hepatic gluconeogenesis and impairing lipid deposition in adipose tissue. <i>Diabetes</i> , <b>2010</b> , 59, 1338-48	0.9	334
231	Activation of PKC-delta and SHP-1 by hyperglycemia causes vascular cell apoptosis and diabetic retinopathy. <i>Nature Medicine</i> , <b>2009</b> , 15, 1298-306	50.5	308
230	Overactivation of S6 kinase 1 as a cause of human insulin resistance during increased amino acid availability. <i>Diabetes</i> , <b>2005</b> , 54, 2674-84	0.9	288
229	Regulation of expression of glucose transporters by glucose: a review of studies in vivo and in cell cultures. <i>FASEB Journal</i> , <b>1994</b> , 8, 43-53	0.9	260
228	Role of dietary proteins and amino acids in the pathogenesis of insulin resistance. <i>Annual Review of Nutrition</i> , <b>2007</b> , 27, 293-310	9.9	224
227	Effect of Lactobacillus rhamnosus CGMCC1.3724 supplementation on weight loss and maintenance in obese men and women. <i>British Journal of Nutrition</i> , <b>2014</b> , 111, 1507-19	3.6	219
226	Cod and soy proteins compared with casein improve glucose tolerance and insulin sensitivity in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2000</b> , 278, E491-500	6	183
225	AMPK in skeletal muscle function and metabolism. <i>FASEB Journal</i> , <b>2018</b> , 32, 1741-1777	0.9	172

224	Insulin reverses the high-fat diet-induced increase in brain Aβ and improves memory in an animal model of Alzheimer disease. <i>Diabetes</i> , <b>2014</b> , 63, 4291-301	0.9	150
223	Insulin induces the translocation of GLUT4 from a unique intracellular organelle to transverse tubules in rat skeletal muscle. <i>Diabetes</i> , <b>1992</b> , 41, 1562-9	0.9	148
222	Activation of the mammalian target of rapamycin pathway acutely inhibits insulin signaling to Akt and glucose transport in 3T3-L1 and human adipocytes. <i>Endocrinology</i> , <b>2005</b> , 146, 1328-37	4.8	146
221	Cytokines modulate glucose transport in skeletal muscle by inducing the expression of inducible nitric oxide synthase. <i>Biochemical Journal</i> , <b>1997</b> , 325 ( Pt 2), 487-93	3.8	143
220	AMPK controls exercise endurance, mitochondrial oxidative capacity, and skeletal muscle integrity. <i>FASEB Journal</i> , <b>2014</b> , 28, 3211-24	0.9	142
219	Autotaxin Derived From Lipoprotein(a) and Valve Interstitial Cells Promotes Inflammation and Mineralization of the Aortic Valve. <i>Circulation</i> , <b>2015</b> , 132, 677-90	16.7	136
218	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> , <b>2010</b> , 59, 3066-73	0.9	133
217	Inhibition of inducible nitric-oxide synthase by activators of AMP-activated protein kinase: a new mechanism of action of insulin-sensitizing drugs. <i>Journal of Biological Chemistry</i> , <b>2004</b> , 279, 20767-74	5.4	131
216	Nobiletin attenuates VLDL overproduction, dyslipidemia, and atherosclerosis in mice with diet-induced insulin resistance. <i>Diabetes</i> , <b>2011</b> , 60, 1446-57	0.9	127
215	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> , <b>2007</b> , 579, 269-84	3.9	123
214	Insulin stimulation of glucose uptake in skeletal muscles and adipose tissues in vivo is NO dependent. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1998</b> , 274, E692-9	6	121
213	Treatment with camu camu () prevents obesity by altering the gut microbiota and increasing energy expenditure in diet-induced obese mice. <i>Gut</i> , <b>2019</b> , 68, 453-464	19.2	117
212	Visceral obesity and the heart. <i>International Journal of Biochemistry and Cell Biology</i> , <b>2008</b> , 40, 821-36	5.6	116
211	The SHP-1 protein tyrosine phosphatase negatively modulates glucose homeostasis. <i>Nature Medicine</i> , <b>2006</b> , 12, 549-56	50.5	116
210	Prevention of skeletal muscle insulin resistance by dietary cod protein in high fat-fed rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2001</b> , 281, E62-71	6	116
209	NF-kappa B-mediated MyoD decay during muscle wasting requires nitric oxide synthase mRNA stabilization, HuR protein, and nitric oxide release. <i>Molecular and Cellular Biology</i> , <b>2005</b> , 25, 6533-45	4.8	114
208	Mediators of cytokine-induced insulin resistance in obesity and other inflammatory settings. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2002</b> , 5, 377-83	3.8	110
207	Gut Microbiota Dysbiosis in Obesity-Linked Metabolic Diseases and Prebiotic Potential of Polyphenol-Rich Extracts. <i>Current Obesity Reports</i> , <b>2015</b> , 4, 389-400	8.4	105

206	The AMP-activated protein kinase activator AICAR does not induce GLUT4 translocation to transverse tubules but stimulates glucose uptake and p38 mitogen-activated protein kinases alpha and beta in skeletal muscle. <i>FASEB Journal</i> , <b>2003</b> , 17, 1658-65	0.9	97
205	A polyphenol-rich cranberry extract reverses insulin resistance and hepatic steatosis independently of body weight loss. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 1563-1573	8.8	89
204	Major involvement of mTOR in the PPAR $\gamma$ -induced stimulation of adipose tissue lipid uptake and fat accretion. <i>Journal of Lipid Research</i> , <b>2012</b> , 53, 1117-25	6.3	88
203	Protectin DX alleviates insulin resistance by activating a myokine-liver gluco regulatory axis. <i>Nature Medicine</i> , <b>2014</b> , 20, 664-9	50.5	85
202	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. <i>Diabetes</i> , <b>2003</b> , 52, 29-37	0.9	85
201	Inducible nitric oxide synthase induction underlies lipid-induced hepatic insulin resistance in mice: potential role of tyrosine nitration of insulin signaling proteins. <i>Diabetes</i> , <b>2010</b> , 59, 861-71	0.9	84
200	Alterations of plasma metabolite profiles related to adipose tissue distribution and cardiometabolic risk. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2015</b> , 309, E736-46 <sup>6</sup>	6	83
199	Polyphenols and type 2 diabetes: A prospective review. <i>PharmaNutrition</i> , <b>2013</b> , 1, 105-114	2.9	83
198	Probiotics as Complementary Treatment for Metabolic Disorders. <i>Diabetes and Metabolism Journal</i> , <b>2015</b> , 39, 291-303	5	83
197	Strawberry and cranberry polyphenols improve insulin sensitivity in insulin-resistant, non-diabetic adults: a parallel, double-blind, controlled and randomised clinical trial. <i>British Journal of Nutrition</i> , <b>2017</b> , 117, 519-531	3.6	81
196	Anti-diabetic and antihypertensive activities of two flaxseed protein hydrolysate fractions revealed following their simultaneous separation by electro dialysis with ultrafiltration membranes. <i>Food Chemistry</i> , <b>2014</b> , 145, 66-76	8.5	79
195	Dietary Proteins Relevant to Human Consumption Impact the Development of Obesity and Type 2 Diabetes in Association with Major Changes in the Gut Microbiota in a Mouse Model (OR27-03-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
194	Type 2 diabetes influences bacterial tissue compartmentalisation in human obesity. <i>Nature Metabolism</i> , <b>2020</b> , 2, 233-242	14.6	78
193	Triggering Akkermansia with dietary polyphenols: A new weapon to combat the metabolic syndrome?. <i>Gut Microbes</i> , <b>2016</b> , 7, 146-53	8.8	76
192	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> , <b>2011</b> , 60, 1122-30	12.7	76
191	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. <i>Journal of Biological Chemistry</i> , <b>2012</b> , 287, 20088-99	5.4	74
190	Prevention of oxidative stress, inflammation and mitochondrial dysfunction in the intestine by different cranberry phenolic fractions. <i>Clinical Science</i> , <b>2015</b> , 128, 197-212	6.5	73
189	Acute and chronic signals controlling glucose transport in skeletal muscle. <i>Journal of Cellular Biochemistry</i> , <b>1992</b> , 48, 51-60	4.7	73

188	Functional significance of skeletal muscle adiponectin production, changes in animal models of obesity and diabetes, and regulation by rosiglitazone treatment. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2009</b> , 297, E657-64	6	72
187	Effects of a Diet-Based Weight-Reducing Program with Probiotic Supplementation on Satiety Efficiency, Eating Behaviour Traits, and Psychosocial Behaviours in Obese Individuals. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	67
186	Exercise induces the translocation of GLUT4 to transverse tubules from an intracellular pool in rat skeletal muscle. <i>Biochemical and Biophysical Research Communications</i> , <b>1996</b> , 223, 147-52	3.4	65
185	Age-dependent impairment of glucose tolerance in the 3xTg-AD mouse model of Alzheimer's disease. <i>FASEB Journal</i> , <b>2015</b> , 29, 4273-84	0.9	62
184	Expression of beta subunit isoforms of the Na <sup>+</sup> ,K <sup>(+)</sup> -ATPase is muscle type-specific. <i>FEBS Letters</i> , <b>1993</b> , 328, 253-8	3.8	61
183	Potential Health Benefits of Combining Yogurt and Fruits Based on Their Probiotic and Prebiotic Properties. <i>Advances in Nutrition</i> , <b>2017</b> , 8, 155S-164S	10	57
182	Arctic berry extracts target the gut-liver axis to alleviate metabolic endotoxaemia, insulin resistance and hepatic steatosis in diet-induced obese mice. <i>Diabetologia</i> , <b>2018</b> , 61, 919-931	10.3	56
181	The alpha-subunit of AMPK is essential for submaximal contraction-mediated glucose transport in skeletal muscle in vitro. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2008</b> , 295, E1447-54	6	55
180	Endotoxin mediated-iNOS induction causes insulin resistance via ONOO <sup>-</sup> induced tyrosine nitration of IRS-1 in skeletal muscle. <i>PLoS ONE</i> , <b>2010</b> , 5, e15912	3.7	54
179	Fish oil and argan oil intake differently modulate insulin resistance and glucose intolerance in a rat model of dietary-induced obesity. <i>Metabolism: Clinical and Experimental</i> , <b>2009</b> , 58, 909-19	12.7	54
178	Comprehensive analysis of phenolic compounds and abscisic acid profiles of twelve native Canadian berries. <i>Journal of Food Composition and Analysis</i> , <b>2015</b> , 44, 214-224	4.1	53
177	Modulation of insulin action by dietary proteins and amino acids: role of the mammalian target of rapamycin nutrient sensing pathway. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , <b>2005</b> , 8, 457-62	3.8	53
176	Perilipin 5 fine-tunes lipid oxidation to metabolic demand and protects against lipotoxicity in skeletal muscle. <i>Scientific Reports</i> , <b>2016</b> , 6, 38310	4.9	52
175	The Gut Microbiota as a Mediator of Metabolic Benefits after Bariatric Surgery. <i>Canadian Journal of Diabetes</i> , <b>2017</b> , 41, 439-447	2.1	49
174	Role of protein tyrosine phosphatases in the modulation of insulin signaling and their implication in the pathogenesis of obesity-linked insulin resistance. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2014</b> , 15, 79-97	10.5	49
173	Obese mice lacking inducible nitric oxide synthase are sensitized to the metabolic actions of peroxisome proliferator-activated receptor-gamma agonism. <i>Diabetes</i> , <b>2008</b> , 57, 1999-2011	0.9	49
172	OxLDL-derived lysophosphatidic acid promotes the progression of aortic valve stenosis through a LPAR1-RhoA-NF- $\kappa$ B pathway. <i>Cardiovascular Research</i> , <b>2017</b> , 113, 1351-1363	9.9	48
171	Chronic inhibition of the mTORC1/S6K1 pathway increases insulin-induced PI3K activity but inhibits Akt2 and glucose transport stimulation in 3T3-L1 adipocytes. <i>Molecular Endocrinology</i> , <b>2010</b> , 24, 766-78		48

170	Metabolic Syndrome Exacerbates Pulmonary Hypertension due to Left Heart Disease. <i>Circulation Research</i> , <b>2019</b> , 125, 449-466	15.7	45
169	Yogurt consumption and impact on health: focus on children and cardiometabolic risk. <i>American Journal of Clinical Nutrition</i> , <b>2014</b> , 99, 1243S-7S	7	44
168	Resveratrol inhibition of inducible nitric oxide synthase in skeletal muscle involves AMPK but not SIRT1. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2011</b> , 301, E922-30	6	44
167	Yogurt and Cardiometabolic Diseases: A Critical Review of Potential Mechanisms. <i>Advances in Nutrition</i> , <b>2017</b> , 8, 812-829	10	43
166	Fish and marine omega-3 polyunsaturated Fatty Acid consumption and incidence of type 2 diabetes: a systematic review and meta-analysis. <i>International Journal of Endocrinology</i> , <b>2013</b> , 2013, 501015	2.7	43
165	Validation of the use of peripheral blood mononuclear cells as surrogate model for skeletal muscle tissue in nutrigenomic studies. <i>OMICS A Journal of Integrative Biology</i> , <b>2011</b> , 15, 1-7	3.8	43
164	Omega-3 fatty acids protect from diet-induced obesity, glucose intolerance, and adipose tissue inflammation through PPAR $\alpha$ -dependent and PPAR $\alpha$ -independent actions. <i>Molecular Nutrition and Food Research</i> , <b>2015</b> , 59, 957-67	5.9	42
163	Wild blueberry proanthocyanidins shape distinct gut microbiota profile and influence glucose homeostasis and intestinal phenotypes in high-fat high-sucrose fed mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 2217	4.9	40
162	Enhancement of glucose uptake in muscular cell by peptide fractions separated by electrodialysis with filtration membrane from salmon frame protein hydrolysate. <i>Journal of Functional Foods</i> , <b>2016</b> , 22, 337-346	5.1	40
161	Targeted disruption of carcinoembryonic antigen-related cell adhesion molecule 1 promotes diet-induced hepatic steatosis and insulin resistance. <i>Endocrinology</i> , <b>2009</b> , 150, 3503-12	4.8	40
160	AMPK activation through mitochondrial regulation results in increased substrate oxidation and improved metabolic parameters in models of diabetes. <i>PLoS ONE</i> , <b>2013</b> , 8, e81870	3.7	39
159	Low-Molecular-Weight Peptides from Salmon Protein Prevent Obesity-Linked Glucose Intolerance, Inflammation, and Dyslipidemia in LDLR $^{-/-}$ /ApoB100/100 Mice. <i>Journal of Nutrition</i> , <b>2015</b> , 145, 1415-22	4.1	38
158	Overexpression of Rad in muscle worsens diet-induced insulin resistance and glucose intolerance and lowers plasma triglyceride level. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2006</b> , 103, 4481-6	11.5	37
157	Apple peel polyphenols: a key player in the prevention and treatment of experimental inflammatory bowel disease. <i>Clinical Science</i> , <b>2016</b> , 130, 2217-2237	6.5	36
156	The Bacterium : A Sentinel for Gut Permeability and Its Relevance to HIV-Related Inflammation. <i>Frontiers in Immunology</i> , <b>2020</b> , 11, 645	8.4	35
155	Apple peel polyphenols reduce mitochondrial dysfunction in mice with DSS-induced ulcerative colitis. <i>Journal of Nutritional Biochemistry</i> , <b>2018</b> , 57, 56-66	6.3	35
154	Nitrosative modifications of protein and lipid signaling molecules by reactive nitrogen species. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2010</b> , 299, E868-78	6	35
153	Regulation of GLUT4 traffic and function by insulin and contraction in skeletal muscle. <i>Frontiers in Bioscience - Landmark</i> , <b>2003</b> , 8, d1072-84	2.8	35

152	Comparative analysis of maple syrup to other natural sweeteners and evaluation of their metabolic responses in healthy rats. <i>Journal of Functional Foods</i> , <b>2014</b> , 11, 460-471	5.1	34
151	Screening of in vitro bioactivities of a soy protein hydrolysate separated by hollow fiber and spiral-wound ultrafiltration membranes. <i>Food Research International</i> , <b>2012</b> , 46, 237-249	7	34
150	Transgenic $\Omega$ PUFA enrichment alters morphology and gene expression profile in adipose tissue of obese mice: Potential role for protectins. <i>Metabolism: Clinical and Experimental</i> , <b>2015</b> , 64, 666-76	12.7	33
149	Pharmacological inhibition of S6K1 increases glucose metabolism and Akt signalling in vitro and in diet-induced obese mice. <i>Diabetologia</i> , <b>2016</b> , 59, 592-603	10.3	33
148	Early development of calcific aortic valve disease and left ventricular hypertrophy in a mouse model of combined dyslipidemia and type 2 diabetes mellitus. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2014</b> , 34, 2283-91	9.4	33
147	Glucose transporter 4 and insulin receptor substrate-1 messenger RNA expression in omental and subcutaneous adipose tissue in women. <i>Metabolism: Clinical and Experimental</i> , <b>2009</b> , 58, 624-31	12.7	33
146	PPAR $\alpha$ activation attenuates glucose intolerance induced by mTOR inhibition with rapamycin in rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2014</b> , 306, E1046-54	6	32
145	Effects of 6-month vitamin D supplementation on insulin sensitivity and secretion: a randomised, placebo-controlled trial. <i>European Journal of Endocrinology</i> , <b>2019</b> , 181, 287-299	6.5	32
144	Impaired thermoregulation and beneficial effects of thermoneutrality in the 3Tg-AD model of Alzheimer's disease. <i>Neurobiology of Aging</i> , <b>2016</b> , 43, 47-57	5.6	32
143	Cardioprotective effects of glucose and insulin administration while maintaining normoglycemia (GIN therapy) in patients undergoing coronary artery bypass grafting. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>2011</b> , 96, 1469-77	5.6	31
142	Lipopolysaccharide-induced diaphragmatic contractile dysfunction and sarcolemmal injury in mice lacking the neuronal nitric oxide synthase. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2001</b> , 163, 977-82	10.2	31
141	Enhancement of glucose uptake in muscular cell by soybean charged peptides isolated by electro dialysis with ultrafiltration membranes (EDUF): activation of the AMPK pathway. <i>Food Chemistry</i> , <b>2014</b> , 147, 124-30	8.5	30
140	Skeletal muscle glucose metabolism and inflammation in the development of the metabolic syndrome. <i>Reviews in Endocrine and Metabolic Disorders</i> , <b>2014</b> , 15, 299-305	10.5	30
139	Hepatocyte-specific Ptpn6 deletion protects from obesity-linked hepatic insulin resistance. <i>Diabetes</i> , <b>2012</b> , 61, 1949-58	0.9	30
138	Inducible nitric oxide synthase modulates lipolysis in adipocytes. <i>Journal of Lipid Research</i> , <b>2005</b> , 46, 1354-63	4.3	30
137	Activated platelets promote an osteogenic programme and the progression of calcific aortic valve stenosis. <i>European Heart Journal</i> , <b>2019</b> , 40, 1362-1373	9.5	30
136	The Impact of Dairy Products in the Development of Type 2 Diabetes: Where Does the Evidence Stand in 2019?. <i>Advances in Nutrition</i> , <b>2019</b> , 10, 1066-1075	10	29
135	Metformin effect on gut microbiota: insights for HIV-related inflammation. <i>AIDS Research and Therapy</i> , <b>2020</b> , 17, 10	3	29

134	Tau hyperphosphorylation in the brain of ob/ob mice is due to hypothermia: Importance of thermoregulation in linking diabetes and Alzheimer's disease. <i>Neurobiology of Disease</i> , <b>2017</b> , 98, 1-8	7.5	29
133	Rosiglitazone-induced heart remodelling is associated with enhanced turnover of myofibrillar protein and mTOR activation. <i>Journal of Molecular and Cellular Cardiology</i> , <b>2009</b> , 47, 85-95	5.8	29
132	In vivo screening of multiple bacterial strains identifies <i>Lactobacillus rhamnosus</i> Lb102 and <i>Bifidobacterium animalis</i> ssp. <i>lactis</i> Bf141 as probiotics that improve metabolic disorders in a mouse model of obesity. <i>FASEB Journal</i> , <b>2019</b> , 33, 4921-4935	0.9	29
131	Loss of hepatic DEPTOR alters the metabolic transition to fasting. <i>Molecular Metabolism</i> , <b>2017</b> , 6, 447-458	5.8	28
130	Hypothermia mediates age-dependent increase of tau phosphorylation in db/db mice. <i>Neurobiology of Disease</i> , <b>2016</b> , 88, 55-65	7.5	28
129	Fish nutrients decrease expression levels of tumor necrosis factor-alpha in cultured human macrophages. <i>Physiological Genomics</i> , <b>2010</b> , 40, 189-94	3.6	27
128	A microbial protein that alleviates metabolic syndrome. <i>Nature Medicine</i> , <b>2017</b> , 23, 11-12	50.5	26
127	Modulation of Strawberry/Cranberry Phenolic Compounds Glucuronidation by Co-Supplementation with Onion: Characterization of Phenolic Metabolites in Rat Plasma Using an Optimized SPE-UHPLC-MS/MS Method. <i>Journal of Agricultural and Food Chemistry</i> , <b>2014</b> , 62, 3244-3256	5.7	26
126	Novel perspectives on fermented milks and cardiometabolic health with a focus on type 2 diabetes. <i>Nutrition Reviews</i> , <b>2018</b> , 76, 16-28	6.4	26
125	Blueberry proanthocyanidins and anthocyanins improve metabolic health through a gut microbiota-dependent mechanism in diet-induced obese mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>2020</b> , 318, E965-E980	6	25
124	Berry Polyphenols and Fibers Modulate Distinct Microbial Metabolic Functions and Gut Microbiota Enterotype-Like Clustering in Obese Mice. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 2032	5.7	25
123	Modulatory effects of a cranberry extract co-supplementation with <i>Bacillus subtilis</i> CU1 probiotic on phenolic compounds bioavailability and gut microbiota composition in high-fat diet-fed mice. <i>PharmaNutrition</i> , <b>2015</b> , 3, 89-100	2.9	24
122	Statin-induced insulin resistance through inflammasome activation: sailing between Scylla and Charybdis. <i>Diabetes</i> , <b>2014</b> , 63, 3569-71	0.9	24
121	AMPK activation with AICAR provokes an acute fall in plasma [K <sup>+</sup> ]. <i>American Journal of Physiology - Cell Physiology</i> , <b>2008</b> , 294, C126-35	5.4	24
120	Nonfunctional mutant Wrn protein leads to neurological deficits, neuronal stress, microglial alteration, and immune imbalance in a mouse model of Werner syndrome. <i>Brain, Behavior, and Immunity</i> , <b>2018</b> , 73, 450-469	16.6	23
119	Mechanism of adipose tissue iNOS induction in endotoxemia. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , <b>1999</b> , 276, E635-41	6	22
118	The GLUT4 glucose transporter and the alpha 2 subunit of the Na <sup>+</sup> ,K <sup>(+)</sup> -ATPase do not localize to the same intracellular vesicles in rat skeletal muscle. <i>FEBS Letters</i> , <b>1995</b> , 366, 109-14	3.8	22
117	The hepatokine Tsukushi is released in response to NAFLD and impacts cholesterol homeostasis. <i>JCI Insight</i> , <b>2019</b> , 4,	9.9	22



116	Simultaneous double cationic and anionic molecule separation from herring milt hydrolysate and impact on resulting fraction bioactivities. <i>Separation and Purification Technology</i> , <b>2019</b> , 210, 431-441	8.3	21
115	A variant in the LRRFIP1 gene is associated with adiposity and inflammation. <i>Obesity</i> , <b>2013</b> , 21, 185-92	8	21
114	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. <i>Journal of Nutrigenetics and Nutrigenomics</i> , <b>2011</b> , 4, 192-202		21
113	Glucose rapidly decreases plasma membrane GLUT4 content in rat skeletal muscle. <i>Endocrine</i> , <b>1999</b> , 10, 13-8		21
112	Hepatocyte-specific Ptpn6 deletion promotes hepatic lipid accretion, but reduces NAFLD in diet-induced obesity: potential role of PPAR $\alpha$ . <i>Hepatology</i> , <b>2014</b> , 59, 1803-15	11.2	20
111	Altered glucose homeostasis in mice lacking the receptor protein tyrosine phosphatase sigma. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2006</b> , 84, 755-63	2.4	20
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