

Nigel Turner

List of Publications by Year in descending order

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Version: 2024-02-01

160
papers

12,839
citations

26610

56
h-index

26591

107
g-index

170
all docs

170
docs citations

170
times ranked

19303
citing authors

#	ARTICLE	IF	CITATIONS
1	Declining NAD ⁺ Induces a Pseudohypoxic State Disrupting Nuclear-Mitochondrial Communication during Aging. <i>Cell</i> , 2013, 155, 1624-1638.	13.5	1,134
2	The Ratio of Macronutrients, Not Caloric Intake, Dictates Cardiometabolic Health, Aging, and Longevity in Ad Libitum-Fed Mice. <i>Cell Metabolism</i> , 2014, 19, 418-430.	7.2	768
3	Excess Lipid Availability Increases Mitochondrial Fatty Acid Oxidative Capacity in Muscle. <i>Diabetes</i> , 2007, 56, 2085-2092.	0.3	472
4	Berberine and Its More Biologically Available Derivative, Dihydroberberine, Inhibit Mitochondrial Respiratory Complex I. <i>Diabetes</i> , 2008, 57, 1414-1418.	0.3	470
5	Insulin resistance is a cellular antioxidant defense mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17787-17792.	3.3	449
6	Mitochondrial dysfunction and insulin resistance: an update. <i>Endocrine Connections</i> , 2015, 4, R1-R15.	0.8	393
7	Distinct patterns of tissue-specific lipid accumulation during the induction of insulin resistance in mice by high-fat feeding. <i>Diabetologia</i> , 2013, 56, 1638-1648.	2.9	339
8	Impairment of an Endothelial NAD ⁺ -H ₂ S Signaling Network Is a Reversible Cause of Vascular Aging. <i>Cell</i> , 2018, 173, 74-89.e20.	13.5	333
9	Antidiabetic Activities of Triterpenoids Isolated from Bitter Melon Associated with Activation of the AMPK Pathway. <i>Chemistry and Biology</i> , 2008, 15, 263-273.	6.2	327
10	Mouse strain-dependent variation in obesity and glucose homeostasis in response to high-fat feeding. <i>Diabetologia</i> , 2013, 56, 1129-1139.	2.9	327
11	Dietary fats and membrane function: implications for metabolism and disease. <i>Biological Reviews</i> , 2005, 80, 155-169.	4.7	300
12	Overexpression of Carnitine Palmitoyltransferase-1 in Skeletal Muscle Is Sufficient to Enhance Fatty Acid Oxidation and Improve High-Fat Diet-Induced Insulin Resistance. <i>Diabetes</i> , 2009, 58, 550-558.	0.3	295
13	IRS1-Independent Defects Define Major Nodes of Insulin Resistance. <i>Cell Metabolism</i> , 2008, 7, 421-433.	7.2	266
14	An Actn3 knockout mouse provides mechanistic insights into the association between α -actinin-3 deficiency and human athletic performance. <i>Human Molecular Genetics</i> , 2008, 17, 1076-1086.	1.4	266
15	NAD ⁺ Repletion Rescues Female Fertility during Reproductive Aging. <i>Cell Reports</i> , 2020, 30, 1670-1681.e7.	2.9	169
16	Markers of Mitochondrial Biogenesis and Metabolism Are Lower in Overweight and Obese Insulin-Resistant Subjects. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2007, 92, 1467-1473.	1.8	156
17	Is mitochondrial dysfunction a cause of insulin resistance?. <i>Trends in Endocrinology and Metabolism</i> , 2008, 19, 324-330.	3.1	155
18	Fatty acid metabolism, energy expenditure and insulin resistance in muscle. <i>Journal of Endocrinology</i> , 2014, 220, T61-T79.	1.2	155

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19	The role of mitochondrial sirtuins in health and disease. <i>Free Radical Biology and Medicine</i> , 2016, 100, 164-174.	1.3	137
20	Proton conductance and fatty acyl composition of liver mitochondria correlates with body mass in birds. <i>Biochemical Journal</i> , 2003, 376, 741-748.	1.7	134
21	Cholesterol Effect on the Dipole Potential of Lipid Membranes. <i>Biophysical Journal</i> , 2006, 90, 4060-4070.	0.2	134
22	Acute or Chronic Upregulation of Mitochondrial Fatty Acid Oxidation Has No Net Effect on Whole-Body Energy Expenditure or Adiposity. <i>Cell Metabolism</i> , 2010, 11, 70-76.	7.2	133
23	Activation of Thermogenesis in Brown Adipose Tissue and Dysregulated Lipid Metabolism Associated with Cancer Cachexia in Mice. <i>Cancer Research</i> , 2012, 72, 4372-4382.	0.4	133
24	Enhancement of Muscle Mitochondrial Oxidative Capacity and Alterations in Insulin Action Are Lipid Species Dependent. <i>Diabetes</i> , 2009, 58, 2547-2554.	0.3	132
25	Docosahexaenoic acid (DHA) content of membranes determines molecular activity of the sodium pump: implications for disease states and metabolism. <i>Die Naturwissenschaften</i> , 2003, 90, 521-523.	0.6	127
26	ACTN3 genotype influences muscle performance through the regulation of calcineurin signaling. <i>Journal of Clinical Investigation</i> , 2013, 123, 4255-4263.	3.9	113
27	The synthesis of sub-micron magnetic particles and their use for preparative purification of proteins. , 1998, 60, 419-424.		109
28	TMEM41B and VMP1 are scramblases and regulate the distribution of cholesterol and phosphatidylserine. <i>Journal of Cell Biology</i> , 2021, 220, .	2.3	100
29	Identification of fatty acid binding protein 4 as an adipokine that regulates insulin secretion during obesity. <i>Molecular Metabolism</i> , 2014, 3, 465-473.	3.0	96
30	Effects of vitamin D in skeletal muscle: falls, strength, athletic performance and insulin sensitivity. <i>Clinical Endocrinology</i> , 2014, 80, 169-181.	1.2	96
31	Calorie Restriction in Mice: Effects on Body Composition, Daily Activity, Metabolic Rate, Mitochondrial Reactive Oxygen Species Production, and Membrane Fatty Acid Composition. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2006, 61, 781-794.	1.7	95
32	Contrasting metabolic effects of medium- versus long-chain fatty acids in skeletal muscle. <i>Journal of Lipid Research</i> , 2013, 54, 3322-3333.	2.0	93
33	A selective inhibitor of ceramide synthase 1 reveals a novel role in fat metabolism. <i>Nature Communications</i> , 2018, 9, 3165.	5.8	93
34	The transition from fetal growth restriction to accelerated postnatal growth: a potential role for insulin signalling in skeletal muscle. <i>Journal of Physiology</i> , 2009, 587, 4199-4211.	1.3	90
35	Differing Endoplasmic Reticulum Stress Response to Excess Lipogenesis versus Lipid Oversupply in Relation to Hepatic Steatosis and Insulin Resistance. <i>PLoS ONE</i> , 2012, 7, e30816.	1.1	88
36	Genetic inhibition of hepatic acetyl-CoA carboxylase activity increases liver fat and alters global protein acetylation. <i>Molecular Metabolism</i> , 2014, 3, 419-431.	3.0	87

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37	Opening of the mitochondrial permeability transition pore links mitochondrial dysfunction to insulin resistance in skeletal muscle. <i>Molecular Metabolism</i> , 2014, 3, 124-134.	3.0	84
38	How might you compare mitochondria from different tissues and different species?. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2006, 176, 93-105.	0.7	80
39	ORP5 localizes to ERâ€œlipid droplet contacts and regulates the level of PI(4)P on lipid droplets. <i>Journal of Cell Biology</i> , 2020, 219, .	2.3	75
40	Mitochondrial uncoupler BAM15 reverses diet-induced obesity and insulin resistance in mice. <i>Nature Communications</i> , 2020, 11, 2397.	5.8	74
41	Lipid and insulin infusion-induced skeletal muscle insulin resistance is likely due to metabolic feedback and not changes in IRS-1, Akt, or AS160 phosphorylation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 297, E67-E75.	1.8	73
42	Î±-Actinin-3 deficiency results in reduced glycogen phosphorylase activity and altered calcium handling in skeletal muscle. <i>Human Molecular Genetics</i> , 2010, 19, 1335-1346.	1.4	73
43	Epithelial-mesenchymal transition induction is associated with augmented glucose uptake and lactate production in pancreatic ductal adenocarcinoma. <i>Cancer & Metabolism</i> , 2016, 4, 19.	2.4	72
44	Overfeeding Reduces Insulin Sensitivity and Increases Oxidative Stress, without Altering Markers of Mitochondrial Content and Function in Humans. <i>PLoS ONE</i> , 2012, 7, e36320.	1.1	72
45	Modulation of Na,K-ATPase by Phospholipids and Cholesterol. II. Steady-State and Presteady-State Kineticsâ€œ. <i>Biochemistry</i> , 2003, 42, 8541-8549.	1.2	69
46	Overexpression of manganese superoxide dismutase ameliorates high-fat diet-induced insulin resistance in rat skeletal muscle. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 303, E798-E805.	1.8	69
47	Insulin resistance and fuel homeostasis: the role of AMPâ€œactivated protein kinase. <i>Acta Physiologica</i> , 2009, 196, 129-145.	1.8	68
48	Mitochondrial Stress Signaling Promotes Cellular Adaptations. <i>International Journal of Cell Biology</i> , 2014, 2014, 1-12.	1.0	68
49	Loss of ceramide synthase 2 activity, necessary for myelin biosynthesis, precedes tau pathology in the cortical pathogenesis of Alzheimer's disease. <i>Neurobiology of Aging</i> , 2016, 43, 89-100.	1.5	68
50	Regulation of glucose homeostasis and insulin action by ceramide acyl-chain length: A beneficial role for very long-chain sphingolipid species. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2016, 1861, 1828-1839.	1.2	66
51	Respiration rate of hepatocytes varies with body mass in birds. <i>Journal of Experimental Biology</i> , 2004, 207, 2305-2311.	0.8	65
52	Peripheral neuropeptide Y Y1 receptors regulate lipid oxidation and fat accretion. <i>International Journal of Obesity</i> , 2010, 34, 357-373.	1.6	65
53	Inhibition of hepatic lipogenesis enhances liver tumorigenesis by increasing antioxidant defence and promoting cell survival. <i>Nature Communications</i> , 2017, 8, 14689.	5.8	65
54	Altered feeding differentially regulates circadian rhythms and energy metabolism in liver and muscle of rats. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2013, 1832, 228-238.	1.8	64

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55	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , 2021, 81, 3461-3479.	0.4	62
56	Electric field strength of membrane lipids from vertebrate species: membrane lipid composition and Na ⁺ -K ⁺ -ATPase molecular activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R663-R670.	0.9	61
57	Exercise alters the profile of phospholipid molecular species in rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2004, 97, 1823-1829.	1.2	60
58	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, 124-136.	0.3	59
59	Overexpression of the Adiponectin Receptor AdipoR1 in Rat Skeletal Muscle Amplifies Local Insulin Sensitivity. <i>Endocrinology</i> , 2012, 153, 5231-5246.	1.4	59
60	Overexpression of carnitine palmitoyltransferase I in skeletal muscle in vivo increases fatty acid oxidation and reduces triacylglycerol esterification. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E1231-E1237.	1.8	58
61	Dynamic Metabolomics Reveals that Insulin Primes the Adipocyte for Glucose Metabolism. <i>Cell Reports</i> , 2017, 21, 3536-3547.	2.9	55
62	High Passage MIN6 Cells Have Impaired Insulin Secretion with Impaired Glucose and Lipid Oxidation. <i>PLoS ONE</i> , 2012, 7, e40868.	1.1	54
63	Rosiglitazone Enhances Glucose Tolerance by Mechanisms Other than Reduction of Fatty Acid Accumulation within Skeletal Muscle. <i>Endocrinology</i> , 2004, 145, 5665-5670.	1.4	53
64	Muscle insulin resistance: A case of fat overconsumption, not mitochondrial dysfunction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 7627-7628.	3.3	53
65	The Evolution of Endothermy: Role for Membranes and Molecular Activity. <i>Physiological and Biochemical Zoology</i> , 2004, 77, 950-958.	0.6	52
66	Amelioration of lipid-induced insulin resistance in rat skeletal muscle by overexpression of Pgc-1 β involves reductions in long-chain acyl-CoA levels and oxidative stress. <i>Diabetologia</i> , 2011, 54, 1417-1426.	2.9	52
67	Time-dependent effects of Prkce deletion on glucose homeostasis and hepatic lipid metabolism on dietary lipid oversupply in mice. <i>Diabetologia</i> , 2011, 54, 1447-1456.	2.9	51
68	Mitochondrial mutations and metabolic adaptation in pancreatic cancer. <i>Cancer & Metabolism</i> , 2017, 5, 2.	2.4	51
69	Activation of AMPK by Bitter Melon Triterpenoids Involves CaMKK β . <i>PLoS ONE</i> , 2013, 8, e62309.	1.1	49
70	High-Throughput Assay for Modulators of Mitochondrial Membrane Potential Identifies a Novel Compound With Beneficial Effects on <i>db/db</i> Mice. <i>Diabetes</i> , 2010, 59, 256-265.	0.3	48
71	The effect of α -actinin-3 deficiency on muscle aging. <i>Experimental Gerontology</i> , 2011, 46, 292-302.	1.2	47
72	Developmental programming of obesity and insulin resistance: does mitochondrial dysfunction in oocytes play a role?. <i>Molecular Human Reproduction</i> , 2015, 21, 23-30.	1.3	47

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73	Modeling insulin resistance in rodents by alterations in diet: what have high-fat and high-calorie diets revealed?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 314, E251-E265.	1.8	47
74	Genetic Ablation of the c-Cbl Ubiquitin Ligase Domain Results in Increased Energy Expenditure and Improved Insulin Action. <i>Diabetes</i> , 2006, 55, 3411-3417.	0.3	45
75	Are sirtuin deacylase enzymes important modulators of mitochondrial energy metabolism?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 1295-1302.	1.1	43
76	Benzylserine inhibits breast cancer cell growth by disrupting intracellular amino acid homeostasis and triggering amino acid response pathways. <i>BMC Cancer</i> , 2018, 18, 689.	1.1	43
77	Glucose infusion causes insulin resistance in skeletal muscle of rats without changes in Akt and AS160 phosphorylation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 293, E1358-E1364.	1.8	42
78	Casitas b-Lineage Lymphoma-Deficient Mice Are Protected Against High-Fat Diet-Induced Obesity and Insulin Resistance. <i>Diabetes</i> , 2006, 55, 708-715.	0.3	41
79	Loss of KrÄppel-Like Factor 3 (KLF3/BKLF) Leads to Upregulation of the Insulin-Sensitizing Factor Adipolin (FAM132A/CTRP12/C1qdc2). <i>Diabetes</i> , 2013, 62, 2728-2737.	0.3	41
80	NF1 is a critical regulator of muscle development and metabolism. <i>Human Molecular Genetics</i> , 2014, 23, 1250-1259.	1.4	40
81	Proteomic profiling of skeletal and cardiac muscle in cancer cachexia: alterations in sarcomeric and mitochondrial protein expression. <i>Oncotarget</i> , 2018, 9, 22001-22022.	0.8	40
82	Repurposing Drugs to Target the Diabetes Epidemic. <i>Trends in Pharmacological Sciences</i> , 2016, 37, 379-389.	4.0	38
83	The adaptor protein APPL1 increases glycogen accumulation in rat skeletal muscle through activation of the PI3-kinase signalling pathway. <i>Journal of Endocrinology</i> , 2011, 210, 81-92.	1.2	36
84	NAD ⁺ : A key metabolic regulator with great therapeutic potential. <i>Journal of Neuroendocrinology</i> , 2017, 29, e12508.	1.2	36
85	Regulation of mitochondrial metabolism in murine skeletal muscle by the medium-chain fatty acid receptor Gpr84. <i>FASEB Journal</i> , 2019, 33, 12264-12276.	0.2	36
86	Overexpression of the orphan receptor Nur77 alters glucose metabolism in rat muscle cells and rat muscle in vivo. <i>Diabetologia</i> , 2010, 53, 1174-1183.	2.9	35
87	Disparate metabolic response to fructose feeding between different mouse strains. <i>Scientific Reports</i> , 2016, 5, 18474.	1.6	35
88	Relationship between body size, Na ⁺ -K ⁺ -ATPase activity, and membrane lipid composition in mammal and bird kidney. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R301-R310.	0.9	34
89	Effect of hydration on thermostability. <i>Biotechnology Letters</i> , 1995, 17, 371-376.	1.1	33
90	Greater effect of diet than exercise training on the fatty acid profile of rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2004, 96, 974-980.	1.2	33

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91	The role of oxysterol-binding protein and its related proteins in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2018, 81, 149-153.	2.3	32
92	Enhanced acyl-CoA:cholesterol acyltransferase activity increases cholesterol levels on the lipid droplet surface and impairs adipocyte function. <i>Journal of Biological Chemistry</i> , 2019, 294, 19306-19321.	1.6	32
93	An allometric comparison of microsomal membrane lipid composition and sodium pump molecular activity in the brain of mammals and birds. <i>Journal of Experimental Biology</i> , 2005, 208, 371-381.	0.8	31
94	Grb10 regulates the development of fiber number in skeletal muscle. <i>FASEB Journal</i> , 2012, 26, 3658-3669.	0.2	31
95	A novel chemical uncoupler ameliorates obesity and related phenotypes in mice with diet-induced obesity by modulating energy expenditure and food intake. <i>Diabetologia</i> , 2013, 56, 2297-2307.	2.9	31
96	Enhanced peroxisomal β -oxidation is associated with prevention of obesity and glucose intolerance by fish oil-enriched diets. <i>Obesity</i> , 2013, 21, 1200-1207.	1.5	30
97	The Influence of Macronutrients on Splanchnic and Hepatic Lymphocytes in Aging Mice. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2015, 70, 1499-1507.	1.7	30
98	Diabetes and Its Link with Cancer: Providing the Fuel and Spark to Launch an Aggressive Growth Regime. <i>BioMed Research International</i> , 2015, 2015, 1-11.	0.9	29
99	Scaling of Na ⁺ ,K ⁺ -ATPase Molecular Activity and Membrane Fatty Acid Composition in Mammalian and Avian Hearts. <i>Physiological and Biochemical Zoology</i> , 2006, 79, 522-533.	0.6	28
100	β -Tubulin alters glucose metabolism and stress response signaling to promote cell survival and proliferation in glucose-starved non-small cell lung cancer cells. <i>Carcinogenesis</i> , 2016, 37, 787-798.	1.3	28
101	Effects of feeding time on daily rhythms of neuropeptide and clock gene expression in the rat hypothalamus. <i>Brain Research</i> , 2017, 1671, 93-101.	1.1	28
102	Snail-Overexpression Induces Epithelial-mesenchymal Transition and Metabolic Reprogramming in Human Pancreatic Ductal Adenocarcinoma and Non-tumorigenic Ductal Cells. <i>Journal of Clinical Medicine</i> , 2019, 8, 822.	1.0	28
103	Why are some mitochondria more powerful than others: Insights from comparisons of muscle mitochondria from three terrestrial vertebrates. <i>Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology</i> , 2005, 142, 172-180.	0.7	27
104	Association of muscle lipidomic profile with high-fat diet-induced insulin resistance across five mouse strains. <i>Scientific Reports</i> , 2017, 7, 13914.	1.6	26
105	PPAR α agonists have opposing effects on insulin resistance in high fat-fed rats and mice due to different metabolic responses in muscle. <i>British Journal of Pharmacology</i> , 2011, 163, 556-566.	2.7	25
106	Acute activation of pyruvate dehydrogenase increases glucose oxidation in muscle without changing glucose uptake. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2018, 315, E258-E266.	1.8	25
107	Defining lipid mediators of insulin resistance: controversies and challenges. <i>Journal of Molecular Endocrinology</i> , 2019, 62, R65-R82.	1.1	24
108	The role of mitochondrial glycerol-3-phosphate acyltransferase-1 in regulating lipid and glucose homeostasis in high-fat diet fed mice. <i>Biochemical and Biophysical Research Communications</i> , 2008, 369, 1065-1070.	1.0	23

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109	Y2 and Y4 receptor signaling synergistically act on energy expenditure and physical activity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1618-R1628.	0.9	23
110	Adult-onset PYY overexpression in mice reduces food intake and increases lipogenic capacity. <i>Neuropeptides</i> , 2012, 46, 173-182.	0.9	23
111	Grb10 Deletion Enhances Muscle Cell Proliferation, Differentiation and GLUT4 Plasma Membrane Translocation. <i>Journal of Cellular Physiology</i> , 2014, 229, 1753-1764.	2.0	23
112	Niclosamide reduces glucagon sensitivity via hepatic PKA inhibition in obese mice: Implications for glucose metabolism improvements in type 2 diabetes. <i>Scientific Reports</i> , 2017, 7, 40159.	1.6	23
113	UGCG influences glutamine metabolism of breast cancer cells. <i>Scientific Reports</i> , 2019, 9, 15665.	1.6	23
114	Dilinoleoyl-phosphatidic acid mediates reduced IRS-1 tyrosine phosphorylation in rat skeletal muscle cells and mouse muscle. <i>Diabetologia</i> , 2007, 50, 1732-1742.	2.9	22
115	Inhibition of guanosine monophosphate synthetase (<scp>GMPS</scp>) blocks glutamine metabolism and prostate cancer growth. <i>Journal of Pathology</i> , 2021, 254, 135-146.	2.1	19
116	Sodium pump molecular activity and membrane lipid composition in two disparate ectotherms, and comparison with endotherms. <i>Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology</i> , 2005, 175, 77-85.	0.7	18
117	Ablation of Grb10 Specifically in Muscle Impacts Muscle Size and Glucose Metabolism in Mice. <i>Endocrinology</i> , 2018, 159, 1339-1351.	1.4	18
118	Overexpression of SIRT1 in Rat Skeletal Muscle Does Not Alter Glucose Induced Insulin Resistance. <i>PLoS ONE</i> , 2015, 10, e0121959.	1.1	17
119	A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. <i>Oncogene</i> , 2019, 38, 3824-3842.	2.6	17
120	Drug-like sphingolipid SH-6893 opposes ceramide-induced mitochondrial fission and corrects diet-induced obesity. <i>EMBO Molecular Medicine</i> , 2021, 13, e13086.	3.3	17
121	The liver isoform of carnitine palmitoyltransferase 1 is not targeted to the endoplasmic reticulum. <i>Biochemical Journal</i> , 2003, 370, 223-231.	1.7	16
122	Roles of Fatty Acid Oversupply and Impaired Oxidation in Lipid Accumulation in Tissues of Obese Rats. <i>Journal of Lipids</i> , 2013, 2013, 1-12.	1.9	16
123	The Ski proto-oncogene regulates body composition and suppresses lipogenesis. <i>International Journal of Obesity</i> , 2010, 34, 524-536.	1.6	15
124	The evolution of insulin resistance in muscle of the glucose infused rat. <i>Archives of Biochemistry and Biophysics</i> , 2011, 509, 133-141.	1.4	15
125	PPAR α -independent actions of omega-3 PUFAs contribute to their beneficial effects on adiposity and glucose homeostasis. <i>Scientific Reports</i> , 2014, 4, 5538.	1.6	15
126	The M α ori and Pacific specific CREBRF variant and adult height. <i>International Journal of Obesity</i> , 2020, 44, 748-752.	1.6	15

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127	Glutamine addiction promotes glucose oxidation in triple-negative breast cancer. <i>Oncogene</i> , 2022, 41, 4066-4078.	2.6	15
128	The Effect of Exercise on the Skeletal Muscle Phospholipidome of Rats Fed a High-Fat Diet. <i>International Journal of Molecular Sciences</i> , 2010, 11, 3954-3964.	1.8	14
129	Akt activation increases cellular cholesterol by promoting the proteasomal degradation of Niemann-Pick C1. <i>Biochemical Journal</i> , 2015, 471, 243-253.	1.7	14
130	Fast exchange fluxes around the pyruvate node: a leaky cell model to explain the gain and loss of unlabelled and labelled metabolites in a tracer experiment. <i>Cancer & Metabolism</i> , 2016, 4, 13.	2.4	14
131	AMP-activated protein kinase and muscle insulin resistance. <i>Frontiers in Bioscience - Landmark</i> , 2009, Volume, 4658.	3.0	12
132	Fructose biphosphatase 2 overexpression increases glucose uptake in skeletal muscle. <i>Journal of Endocrinology</i> , 2018, 237, 101-111.	1.2	12
133	Acetyl-CoA metabolism drives epigenome change and contributes to carcinogenesis risk in fatty liver disease. <i>Genome Medicine</i> , 2022, 14, .	3.6	12
134	Limits to physical performance and metabolism across species. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006, 9, 691-696.	1.3	11
135	Reduced insulin action in muscle of high fat diet rats over the diurnal cycle is not associated with defective insulin signaling. <i>Molecular Metabolism</i> , 2019, 25, 107-118.	3.0	11
136	Minimal impact of age and housing temperature on the metabolic phenotype of <i>Acc2</i> ^{+/+} mice. <i>Journal of Endocrinology</i> , 2016, 228, 127-134.	1.2	9
137	Exploring the relationship between β -actinin-3 deficiency and obesity in mice and humans. <i>International Journal of Obesity</i> , 2017, 41, 1154-1157.	1.6	9
138	Phenotypic screen for oxygen consumption rate identifies an anti-cancer naphthoquinone that induces mitochondrial oxidative stress. <i>Redox Biology</i> , 2020, 28, 101374.	3.9	9
139	FOXO1 Is the Headline Akt Regulating Hepatic Glucose Metabolism. <i>Endocrinology</i> , 2017, 158, 2436-2438.	1.4	8
140	Protein hypoacylation induced by Sirt5 overexpression has minimal metabolic effect in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018, 503, 1349-1355.	1.0	8
141	Irradiation impairs mitochondrial function and skeletal muscle oxidative capacity: significance for metabolic complications in cancer survivors. <i>Metabolism: Clinical and Experimental</i> , 2020, 103, 154025.	1.5	8
142	Pharmacological PPAR α Activation Markedly Alters Plasma Turnover of the Amino Acids Glycine, Serine and Arginine in the Rat. <i>PLoS ONE</i> , 2014, 9, e113328.	1.1	8
143	The ω -3 and ω -6 fats in meals: A proposal for a simple new label. <i>Nutrition</i> , 2011, 27, 719-726.	1.1	7
144	Phenotypic Discrepancies in Acetyl-CoA Carboxylase 2-deficient Mice. <i>Journal of Biological Chemistry</i> , 2012, 287, 15801.	1.6	7

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145	Increasing Acyl CoA thioesterase activity alters phospholipid profile without effect on insulin action in skeletal muscle of rats. <i>Scientific Reports</i> , 2018, 8, 13967.	1.6	7
146	Fatty acid relationships in former cannabis users with schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006, 30, 280-285.	2.5	6
147	Kidney disease risk factors do not explain impacts of low dietary protein on kidney function and structure. <i>IScience</i> , 2021, 24, 103308.	1.9	6
148	New insight into the mechanism by which acute physical exercise ameliorates insulin resistance. <i>Journal of Physiology</i> , 2008, 586, 2251-2252.	1.3	5
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