

Nigel Turner

List of Publications by Citations

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155
papers

10,224
citations

52
h-index

97
g-index

170
ext. papers

11,787
ext. citations

6.5
avg, IF

6.02
L-index

#	Paper	IF	Citations
155	Declining NAD(+) induces a pseudohypoxic state disrupting nuclear-mitochondrial communication during aging. <i>Cell</i> , 2013 , 155, 1624-38	56.2	879
154	The ratio of macronutrients, not caloric intake, dictates cardiometabolic health, aging, and longevity in ad libitum-fed mice. <i>Cell Metabolism</i> , 2014 , 19, 418-30	24.6	572
153	Excess lipid availability increases mitochondrial fatty acid oxidative capacity in muscle: evidence against a role for reduced fatty acid oxidation in lipid-induced insulin resistance in rodents. <i>Diabetes</i> , 2007 , 56, 2085-92	0.9	420
152	Berberine and its more biologically available derivative, dihydroberberine, inhibit mitochondrial respiratory complex I: a mechanism for the action of berberine to activate AMP-activated protein kinase and improve insulin action. <i>Diabetes</i> , 2008 , 57, 1414-8	0.9	399
151	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, 17787-92	11.5	362
150	Mitochondrial dysfunction and insulin resistance: an update. <i>Endocrine Connections</i> , 2015 , 4, R1-R15	3.5	316
149	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
148	Antidiabetic activities of triterpenoids isolated from bitter melon associated with activation of the AMPK pathway. <i>Chemistry and Biology</i> , 2008 , 15, 263-73		282
147	Mouse strain-dependent variation in obesity and glucose homeostasis in response to high-fat feeding. <i>Diabetologia</i> , 2013 , 56, 1129-39	10.3	260
146	Dietary fats and membrane function: implications for metabolism and disease. <i>Biological Reviews</i> , 2005 , 80, 155-69	13.5	259
145	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, 550-8	0.9	254
144	IRS1-independent defects define major nodes of insulin resistance. <i>Cell Metabolism</i> , 2008 , 7, 421-33	24.6	229
143	An Actn3 knockout mouse provides mechanistic insights into the association between alpha-actinin-3 deficiency and human athletic performance. <i>Human Molecular Genetics</i> , 2008 , 17, 1076-86	5.6	218
142	Impairment of an Endothelial NAD-HS Signaling Network Is a Reversible Cause of Vascular Aging. <i>Cell</i> , 2018 , 173, 74-89.e20	56.2	205
141	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, 1467-73	5.6	138
140	Is mitochondrial dysfunction a cause of insulin resistance?. <i>Trends in Endocrinology and Metabolism</i> , 2008 , 19, 324-30	8.8	130
139	Fatty acid metabolism, energy expenditure and insulin resistance in muscle. <i>Journal of Endocrinology</i> , 2014 , 220, T61-79	4.7	126

138	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, 70-6	24.6	126
137	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, 521-3	2	120
136	Cholesterol effect on the dipole potential of lipid membranes. <i>Biophysical Journal</i> , 2006 , 90, 4060-70	2.9	119
135	Proton conductance and fatty acyl composition of liver mitochondria correlates with body mass in birds. <i>Biochemical Journal</i> , 2003 , 376, 741-8	3.8	117
134	Enhancement of muscle mitochondrial oxidative capacity and alterations in insulin action are lipid species dependent: potent tissue-specific effects of medium-chain fatty acids. <i>Diabetes</i> , 2009 , 58, 2547-54	9.9	107
133	The role of mitochondrial sirtuins in health and disease. <i>Free Radical Biology and Medicine</i> , 2016 , 100, 164-174	7.8	101
132	Activation of thermogenesis in brown adipose tissue and dysregulated lipid metabolism associated with cancer cachexia in mice. <i>Cancer Research</i> , 2012 , 72, 4372-82	10.1	100
131	The synthesis of sub-micron magnetic particles and their use for preparative purification of proteins 1998 , 60, 419-424		94
130	ACTN3 genotype influences muscle performance through the regulation of calcineurin signaling. <i>Journal of Clinical Investigation</i> , 2013 , 123, 4255-63	15.9	84
129	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, 4199-211	3.9	82
128	Effects of vitamin D in skeletal muscle: falls, strength, athletic performance and insulin sensitivity. <i>Clinical Endocrinology</i> , 2014 , 80, 169-81	3.4	81
127	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	3.7	81
126	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, 781-94	6.4	80
125	Phenotypic discrepancies in acetyl-CoA carboxylase 2-deficient mice.. <i>Journal of Biological Chemistry</i> , 2012 , 287, 20468	5.4	78
124	NAD Repletion Rescues Female Fertility during Reproductive Aging. <i>Cell Reports</i> , 2020 , 30, 1670-1681.e7	10.6	74
123	Opening of the mitochondrial permeability transition pore links mitochondrial dysfunction to insulin resistance in skeletal muscle. <i>Molecular Metabolism</i> , 2014 , 3, 124-34	8.8	74
122	Identification of fatty acid binding protein 4 as an adipokine that regulates insulin secretion during obesity. <i>Molecular Metabolism</i> , 2014 , 3, 465-73	8.8	71
121	Contrasting metabolic effects of medium- versus long-chain fatty acids in skeletal muscle. <i>Journal of Lipid Research</i> , 2013 , 54, 3322-33	6.3	69

120	Genetic inhibition of hepatic acetyl-CoA carboxylase activity increases liver fat and alters global protein acetylation. <i>Molecular Metabolism</i> , 2014 , 3, 419-31	8.8	66
119	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	3.7	65
118	Modulation of Na,K-ATPase by phospholipids and cholesterol. II. Steady-state and presteady-state kinetics. <i>Biochemistry</i> , 2003 , 42, 8541-9	3.2	64
117	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, E67-75	6	62
116	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	2.2	61
115	Alpha-actinin-3 deficiency results in reduced glycogen phosphorylase activity and altered calcium handling in skeletal muscle. <i>Human Molecular Genetics</i> , 2010 , 19, 1335-46	5.6	58
114	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, E798-805	6	58
113	Mitochondrial stress signaling promotes cellular adaptations. <i>International Journal of Cell Biology</i> , 2014 , 2014, 156020	2.6	56
112	Peripheral neuropeptide Y Y1 receptors regulate lipid oxidation and fat accretion. <i>International Journal of Obesity</i> , 2010 , 34, 357-73	5.5	56
111	Insulin resistance and fuel homeostasis: the role of AMP-activated protein kinase. <i>Acta Physiologica</i> , 2009 , 196, 129-45	5.6	56
110	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, 228-38	6.9	54
109	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, E1231-7	6	54
108	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	5	53
107	A selective inhibitor of ceramide synthase 1 reveals a novel role in fat metabolism. <i>Nature Communications</i> , 2018 , 9, 3165	17.4	52
106	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, 124-36	0.9	52
105	Exercise alters the profile of phospholipid molecular species in rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2004 , 97, 1823-9	3.7	52
104	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, R663-70	3.2	52
103	Overexpression of the adiponectin receptor AdipoR1 in rat skeletal muscle amplifies local insulin sensitivity. <i>Endocrinology</i> , 2012 , 153, 5231-46	4.8	50

102	Rosiglitazone enhances glucose tolerance by mechanisms other than reduction of fatty acid accumulation within skeletal muscle. <i>Endocrinology</i> , 2004 , 145, 5665-70	4.8	49
101	Respiration rate of hepatocytes varies with body mass in birds. <i>Journal of Experimental Biology</i> , 2004 , 207, 2305-11	3	48
100	Epithelial-mesenchymal transition induction is associated with augmented glucose uptake and lactate production in pancreatic ductal adenocarcinoma. <i>Cancer & Metabolism</i> , 2016 , 4, 19	5.4	47
99	Amelioration of lipid-induced insulin resistance in rat skeletal muscle by overexpression of Pgc-1 α involves reductions in long-chain acyl-CoA levels and oxidative stress. <i>Diabetologia</i> , 2011 , 54, 1417-26	10.3	47
98	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, 7627-8	11.5	47
97	Time-dependent effects of Prkce deletion on glucose homeostasis and hepatic lipid metabolism on dietary lipid oversupply in mice. <i>Diabetologia</i> , 2011 , 54, 1447-56	10.3	45
96	The evolution of endothermy: role for membranes and molecular activity. <i>Physiological and Biochemical Zoology</i> , 2004 , 77, 950-8	2	44
95	Inhibition of hepatic lipogenesis enhances liver tumorigenesis by increasing antioxidant defence and promoting cell survival. <i>Nature Communications</i> , 2017 , 8, 14689	17.4	43
94	High-throughput assay for modulators of mitochondrial membrane potential identifies a novel compound with beneficial effects on db/db mice. <i>Diabetes</i> , 2010 , 59, 256-65	0.9	42
93	Genetic ablation of the c-Cbl ubiquitin ligase domain results in increased energy expenditure and improved insulin action. <i>Diabetes</i> , 2006 , 55, 3411-7	0.9	41
92	ORP5 localizes to ER-lipid droplet contacts and regulates the level of PI(4)P on lipid droplets. <i>Journal of Cell Biology</i> , 2020 , 219,	7.3	41
91	Mitochondrial mutations and metabolic adaptation in pancreatic cancer. <i>Cancer & Metabolism</i> , 2017 , 5, 2	5.4	40
90	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	5.6	39
89	Are sirtuin deacylase enzymes important modulators of mitochondrial energy metabolism?. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014 , 1840, 1295-302	4	39
88	Activation of AMPK by bitter melon triterpenoids involves CaMKK α . <i>PLoS ONE</i> , 2013 , 8, e62309	3.7	39
87	The effect of β -actinin-3 deficiency on muscle aging. <i>Experimental Gerontology</i> , 2011 , 46, 292-302	4.5	39
86	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, E1358-64	6	39
85	Loss of Kr β pel-like factor 3 (KLF3/BKLF) leads to upregulation of the insulin-sensitizing factor adipolin (FAM132A/CTRP12/C1qdc2). <i>Diabetes</i> , 2013 , 62, 2728-37	0.9	38

84	High passage MIN6 cells have impaired insulin secretion with impaired glucose and lipid oxidation. <i>PLoS ONE</i> , 2012 , 7, e40868	3.7	37
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	4.7	35
82	Casitas b-lineage lymphoma-deficient mice are protected against high-fat diet-induced obesity and insulin resistance. <i>Diabetes</i> , 2006 , 55, 708-15	0.9	35
81	Dynamic Metabolomics Reveals that Insulin Primes the Adipocyte for Glucose Metabolism. <i>Cell Reports</i> , 2017 , 21, 3536-3547	10.6	34
80	TMEM41B and VMP1 are scramblases and regulate the distribution of cholesterol and phosphatidylserine. <i>Journal of Cell Biology</i> , 2021 , 220,	7.3	32
79	Repurposing Drugs to Target the Diabetes Epidemic. <i>Trends in Pharmacological Sciences</i> , 2016 , 37, 379-389	3.2	31
78	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, 371-81	3	31
77	Developmental programming of obesity and insulin resistance: does mitochondrial dysfunction in oocytes play a role?. <i>Molecular Human Reproduction</i> , 2015 , 21, 23-30	4.4	30
76	Overexpression of the orphan receptor Nur77 alters glucose metabolism in rat muscle cells and rat muscle in vivo. <i>Diabetologia</i> , 2010 , 53, 1174-83	10.3	30
75	Greater effect of diet than exercise training on the fatty acid profile of rat skeletal muscle. <i>Journal of Applied Physiology</i> , 2004 , 96, 974-80	3.7	30
74	Enhanced peroxisomal β oxidation is associated with prevention of obesity and glucose intolerance by fish oil-enriched diets. <i>Obesity</i> , 2013 , 21, 1200-7	8	28
73	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, R301-10	3.2	28
72	Effect of hydration on thermostability. <i>Biotechnology Letters</i> , 1995 , 17, 371-376	3	28
71	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, 2297-307	10.3	27
70	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, 1499-507	6.4	27
69	NF1 is a critical regulator of muscle development and metabolism. <i>Human Molecular Genetics</i> , 2014 , 23, 1250-9	5.6	27
68	Grb10 regulates the development of fiber number in skeletal muscle. <i>FASEB Journal</i> , 2012 , 26, 3658-69	0.9	27
67	Mitochondrial uncoupler BAM15 reverses diet-induced obesity and insulin resistance in mice. <i>Nature Communications</i> , 2020 , 11, 2397	17.4	26

66	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, 172-80	2.3	26
65	Disparate metabolic response to fructose feeding between different mouse strains. <i>Scientific Reports</i> , 2015 , 5, 18474	4.9	26
64	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	6	26
63	Diabetes and its link with cancer: providing the fuel and spark to launch an aggressive growth regime. <i>BioMed Research International</i> , 2015 , 2015, 390863	3	25
62	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, 522-33	2	25
61	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	3.7	24
60	Proteomic profiling of skeletal and cardiac muscle in cancer cachexia: alterations in sarcomeric and mitochondrial protein expression. <i>Oncotarget</i> , 2018 , 9, 22001-22022	3.3	24
59	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	4.8	23
58	The role of oxysterol-binding protein and its related proteins in cancer. <i>Seminars in Cell and Developmental Biology</i> , 2018 , 81, 149-153	7.5	22
57	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, R1618-28	3.2	21
56	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, 1065-70	3.4	21
55	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, 556-66	8.6	20
54	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	4.6	20
53	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	5.4	19
52	Association of muscle lipidomic profile with high-fat diet-induced insulin resistance across five mouse strains. <i>Scientific Reports</i> , 2017 , 7, 13914	4.9	18
51	NAD : A key metabolic regulator with great therapeutic potential. <i>Journal of Neuroendocrinology</i> , 2017 , 29, e12508	3.8	18
50	Grb10 deletion enhances muscle cell proliferation, differentiation and GLUT4 plasma membrane translocation. <i>Journal of Cellular Physiology</i> , 2014 , 229, 1753-64	7	18
49	Dilinoleoyl-phosphatidic acid mediates reduced IRS-1 tyrosine phosphorylation in rat skeletal muscle cells and mouse muscle. <i>Diabetologia</i> , 2007 , 50, 1732-42	10.3	18

48	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	4.9	17
47	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 ⁶ 17		
46	Adult-onset PYY overexpression in mice reduces food intake and increases lipogenic capacity. <i>Neuropeptides</i> , 2012 , 46, 173-82	3.3	17
45	Defining lipid mediators of insulin resistance - controversies and challenges. <i>Journal of Molecular Endocrinology</i> , 2018 ,	4.5	16
44	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,	5.1	15
43	UGCG influences glutamine metabolism of breast cancer cells. <i>Scientific Reports</i> , 2019 , 9, 15665	4.9	15
42	Overexpression of SIRT1 in rat skeletal muscle does not alter glucose induced insulin resistance. <i>PLoS ONE</i> , 2015 , 10, e0121959	3.7	15
41	Roles of Fatty Acid oversupply and impaired oxidation in lipid accumulation in tissues of obese rats. <i>Journal of Lipids</i> , 2013 , 2013, 420754	2.7	15
40	The evolution of insulin resistance in muscle of the glucose infused rat. <i>Archives of Biochemistry and Biophysics</i> , 2011 , 509, 133-41	4.1	15
39	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	2.2	15
38	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. <i>Cancer Research</i> , 2021 , 81, 3461-3479	10.1	15
37	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	5.4	13
36	Regulation of mitochondrial metabolism in murine skeletal muscle by the medium-chain fatty acid receptor Gpr84. <i>FASEB Journal</i> , 2019 , 33, 12264-12276	0.9	13
35	The Ski proto-oncogene regulates body composition and suppresses lipogenesis. <i>International Journal of Obesity</i> , 2010 , 34, 524-36	5.5	13
34	A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. <i>Oncogene</i> , 2019 , 38, 3824-3842	9.2	12
33	PPAR β independent actions of omega-3 PUFAs contribute to their beneficial effects on adiposity and glucose homeostasis. <i>Scientific Reports</i> , 2014 , 4, 5538	4.9	12
32	AMP-activated protein kinase and muscle insulin resistance. <i>Frontiers in Bioscience - Landmark</i> , 2009 , 14, 4658-72	2.8	12
31	Ablation of Grb10 Specifically in Muscle Impacts Muscle Size and Glucose Metabolism in Mice. <i>Endocrinology</i> , 2018 , 159, 1339-1351	4.8	10

30	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, 3954-64	6.3	10
29	Limits to physical performance and metabolism across species. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2006 , 9, 691-6	3.8	10
28	The M β ri and Pacific specific CREBRF variant and adult height. <i>International Journal of Obesity</i> , 2020 , 44, 748-752	5.5	10
27	The liver isoform of carnitine palmitoyltransferase 1 is not targeted to the endoplasmic reticulum. <i>Biochemical Journal</i> , 2003 , 370, 223-31	3.8	9
26	Minimal impact of age and housing temperature on the metabolic phenotype of Acc2 ^{-/-} mice. <i>Journal of Endocrinology</i> , 2016 , 228, 127-34	4.7	8
25	Akt activation increases cellular cholesterol by promoting the proteasomal degradation of Niemann-Pick C1. <i>Biochemical Journal</i> , 2015 , 471, 243-53	3.8	7
24	Phenotypic discrepancies in acetyl-CoA carboxylase 2-deficient mice. <i>Journal of Biological Chemistry</i> , 2012 , 287, 15801; author reply 15802	5.4	7
23	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	3.7	7
22	Exploring the relationship between β actinin-3 deficiency and obesity in mice and humans. <i>International Journal of Obesity</i> , 2017 , 41, 1154-1157	5.5	6
21	Fructose bisphosphatase 2 overexpression increases glucose uptake in skeletal muscle. <i>Journal of Endocrinology</i> , 2018 , 237, 101-111	4.7	6
20	The β and β fats in meals: a proposal for a simple new label. <i>Nutrition</i> , 2011 , 27, 719-26	4.8	6
19	Phenotypic screen for oxygen consumption rate identifies an anti-cancer naphthoquinone that induces mitochondrial oxidative stress. <i>Redox Biology</i> , 2020 , 28, 101374	11.3	6
18	FOXO1 Is the Headline Akt Regulating Hepatic Glucose Metabolism. <i>Endocrinology</i> , 2017 , 158, 2436-2438	4.8	5
17	Fatty acid relationships in former cannabis users with schizophrenia. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2006 , 30, 280-5	5.5	5
16	Inhibition of guanosine monophosphate synthetase (GMPS) blocks glutamine metabolism and prostate cancer growth. <i>Journal of Pathology</i> , 2021 , 254, 135-146	9.4	5
15	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	4.9	5
14	New insight into the mechanism by which acute physical exercise ameliorates insulin resistance. <i>Journal of Physiology</i> , 2008 , 586, 2251-2	3.9	4
13	Molecular activity of sodium pumps in the kidney of mammals and birds. <i>Annals of the New York Academy of Sciences</i> , 2003 , 986, 606-7	6.5	4

12	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	12.7	4
11	Protein hypoacylation induced by Sirt5 overexpression has minimal metabolic effect in mice. <i>Biochemical and Biophysical Research Communications</i> , 2018 , 503, 1349-1355	3.4	3
10	Drug-like sphingolipid SH-BC-893 opposes ceramide-induced mitochondrial fission and corrects diet-induced obesity. <i>EMBO Molecular Medicine</i> , 2021 , 13, e13086	12	3
9	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	8.8	2
8	Kidney disease risk factors do not explain impacts of low dietary protein on kidney function and structure. <i>IScience</i> , 2021 , 24, 103308	6.1	2
7	Fibroblast activation protein enzyme deficiency prevents liver steatosis, insulin resistance and glucose intolerance and increases fibroblast growth factor-21 in diet induced obese mice		2
6	Using the Human Genome-Scale Metabolic Model Recon 2 for Steady-State Flux Analysis of Cancer Cell Metabolism. <i>Methods in Molecular Biology</i> , 2019 , 1928, 479-489	1.4	1
5	Metabolic Profiling of Mice with Deletion of the Orphan G Protein-Coupled Receptor, GPR37L1. <i>Cells</i> , 2022 , 11, 1814	7.9	1
4	Liver-specific overexpression of SIRT3 enhances oxidative metabolism, but does not impact metabolic defects induced by high fat feeding in mice.. <i>Biochemical and Biophysical Research Communications</i> , 2022 , 607, 131-137	3.4	0
3	Impact of Lifestyle and Clinical Interventions on Mitochondrial Function in Obesity and Type 2 Diabetes 2019 , 367-397		
2	PS - 46. SIRT3 overexpression in rat skeletal muscle does not alleviate high-fat diet-induced insulin resistance. <i>Nederlands Tijdschrift Voor Diabetologie</i> , 2012 , 10, 130-130	0	
1	Exploring How Compartment-specific Changes in NAD Biosynthesis Influence the Response to Endurance Training. <i>FASEB Journal</i> , 2020 , 34, 1-1	0.9	