Nigel Turner

List of Publications by Year in Descending Order

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	Liver-specific overexpression of SIRT3 enhances oxidative metabolism, but does not impact metabolic defects induced by high fat feeding in mice.. *Biochemical and Biophysical Research Communications*, **2022**, 607, 131-137	3.4	0
154	Metabolic Profiling of Mice with Deletion of the Orphan G Protein-Coupled Receptor, GPR37L1. *Cells*, **2022**, 11, 1814	7.9	1
153	Kidney disease risk factors do not explain impacts of low dietary protein on kidney function and structure. *IScience*, **2021**, 24, 103308	6.1	2
152	TMEM41B and VMP1 are scramblases and regulate the distribution of cholesterol and phosphatidylserine. *Journal of Cell Biology*, **2021**, 220,	7.3	32
151	Inhibition of guanosine monophosphate synthetase (GMPS) blocks glutamine metabolism and prostate cancer growth. *Journal of Pathology*, **2021**, 254, 135-146	9.4	5
150	Cancer-Associated Fibroblasts in Pancreatic Ductal Adenocarcinoma Determine Response to SLC7A11 Inhibition. *Cancer Research*, **2021**, 81, 3461-3479	10.1	15
149	Drug-like sphingolipid SH-BC-893 opposes ceramide-induced mitochondrial fission and corrects diet-induced obesity. *EMBO Molecular Medicine*, **2021**, 13, e13086	12	3
148	Mitochondrial uncoupler BAM15 reverses diet-induced obesity and insulin resistance in mice. *Nature Communications*, **2020**, 11, 2397	17.4	26
147	NAD Repletion Rescues Female Fertility during Reproductive Aging. *Cell Reports*, **2020**, 30, 1670-1681.e7	10.6	74
146	Exploring How Compartment-specific Changes in NAD Biosynthesis Influence the Response to Endurance Training. *FASEB Journal*, **2020**, 34, 1-1	0.9	
145	Phenotypic screen for oxygen consumption rate identifies an anti-cancer naphthoquinone that induces mitochondrial oxidative stress. *Redox Biology*, **2020**, 28, 101374	11.3	6
144	Irradiation impairs mitochondrial function and skeletal muscle oxidative capacity: significance for metabolic complications in cancer survivors. *Metabolism: Clinical and Experimental*, **2020**, 103, 154025	12.7	4
143	ORP5 localizes to ER-lipid droplet contacts and regulates the level of PI(4)P on lipid droplets. *Journal of Cell Biology*, **2020**, 219,	7.3	41
142	The Māori and Pacific specific CREBRF variant and adult height. *International Journal of Obesity*, **2020**, 44, 748-752	5.5	10
141	A novel small molecule that kills a subset of MLL-rearranged leukemia cells by inducing mitochondrial dysfunction. *Oncogene*, **2019**, 38, 3824-3842	9.2	12
140	Impact of Lifestyle and Clinical Interventions on Mitochondrial Function in Obesity and Type 2 Diabetes **2019**, 367-397		
139	Snail-Overexpression Induces Epithelial-mesenchymal Transition and Metabolic Reprogramming in Human Pancreatic Ductal Adenocarcinoma and Non-tumorigenic Ductal Cells. *Journal of Clinical Medicine*, **2019**, 8,	5.1	15

138	Reduced insulin action in muscle of high fat diet rats over the diurnal cycle is not associated with defective insulin signaling. *Molecular Metabolism*, **2019**, 25, 107-118	8.8	2
137	Using the Human Genome-Scale Metabolic Model Recon 2 for Steady-State Flux Analysis of Cancer Cell Metabolism. *Methods in Molecular Biology*, **2019**, 1928, 479-489	1.4	1
136	Regulation of mitochondrial metabolism in murine skeletal muscle by the medium-chain fatty acid receptor Gpr84. *FASEB Journal*, **2019**, 33, 12264-12276	0.9	13
135	UGCG influences glutamine metabolism of breast cancer cells. *Scientific Reports*, **2019**, 9, 15665	4.9	15
134	Enhanced acyl-CoA:cholesterol acyltransferase activity increases cholesterol levels on the lipid droplet surface and impairs adipocyte function. *Journal of Biological Chemistry*, **2019**, 294, 19306-19321	5.4	19
133	Fructose bisphosphatase 2 overexpression increases glucose uptake in skeletal muscle. *Journal of Endocrinology*, **2018**, 237, 101-111	4.7	6
132	Ablation of Grb10 Specifically in Muscle Impacts Muscle Size and Glucose Metabolism in Mice. *Endocrinology*, **2018**, 159, 1339-1351	4.8	10
131	Impairment of an Endothelial NAD-HS Signaling Network Is a Reversible Cause of Vascular Aging. *Cell*, **2018**, 173, 74-89.e20	56.2	205
130	The role of oxysterol-binding protein and its related proteins in cancer. *Seminars in Cell and Developmental Biology*, **2018**, 81, 149-153	7.5	22
129	Acute activation of pyruvate dehydrogenase increases glucose oxidation in muscle without changing glucose uptake. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E258-E266	6	17
128	Benzylserine inhibits breast cancer cell growth by disrupting intracellular amino acid homeostasis and triggering amino acid response pathways. *BMC Cancer*, **2018**, 18, 689	4.8	23
127	Protein hypoacylation induced by Sirt5 overexpression has minimal metabolic effect in mice. *Biochemical and Biophysical Research Communications*, **2018**, 503, 1349-1355	3.4	3
126	A selective inhibitor of ceramide synthase 1 reveals a novel role in fat metabolism. *Nature Communications*, **2018**, 9, 3165	17.4	52
125	Defining lipid mediators of insulin resistance - controversies and challenges. *Journal of Molecular Endocrinology*, **2018**,	4.5	16
124	Proteomic profiling of skeletal and cardiac muscle in cancer cachexia: alterations in sarcomeric and mitochondrial protein expression. *Oncotarget*, **2018**, 9, 22001-22022	3.3	24
123	Modeling insulin resistance in rodents by alterations in diet: what have high-fat and high-calorie diets revealed?. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 314, E251-E265	6	26
122	Increasing Acyl CoA thioesterase activity alters phospholipid profile without effect on insulin action in skeletal muscle of rats. *Scientific Reports*, **2018**, 8, 13967	4.9	5
121	Niclosamide reduces glucagon sensitivity via hepatic PKA inhibition in obese mice: Implications for glucose metabolism improvements in type 2 diabetes. *Scientific Reports*, **2017**, 7, 40159	4.9	17

120	Mitochondrial mutations and metabolic adaptation in pancreatic cancer. *Cancer & Metabolism*, **2017**, 5, 2	5.4	40
119	Exploring the relationship between α-actinin-3 deficiency and obesity in mice and humans. *International Journal of Obesity*, **2017**, 41, 1154-1157	5.5	6
118	Inhibition of hepatic lipogenesis enhances liver tumorigenesis by increasing antioxidant defence and promoting cell survival. *Nature Communications*, **2017**, 8, 14689	17.4	43
117	Association of muscle lipidomic profile with high-fat diet-induced insulin resistance across five mouse strains. *Scientific Reports*, **2017**, 7, 13914	4.9	18
116	NAD : A key metabolic regulator with great therapeutic potential. *Journal of Neuroendocrinology*, **2017**, 29, e12508	3.8	18
115	Effects of feeding time on daily rhythms of neuropeptide and clock gene expression in the rat hypothalamus. *Brain Research*, **2017**, 1671, 93-101	3.7	24
114	FOX01 Is the Headline Akt Regulating Hepatic Glucose Metabolism. *Endocrinology*, **2017**, 158, 2436-2438	4.8	5
113	Dynamic Metabolomics Reveals that Insulin Primes the Adipocyte for Glucose Metabolism. *Cell Reports*, **2017**, 21, 3536-3547	10.6	34
112	Epithelial-mesenchymal transition induction is associated with augmented glucose uptake and lactate production in pancreatic ductal adenocarcinoma. *Cancer & Metabolism*, **2016**, 4, 19	5.4	47
111	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. *Cancer & Metabolism*, **2016**, 4, 13	5.4	13
110	Loss of ceramide synthase 2 activity, necessary for myelin biosynthesis, precedes tau pathology in the cortical pathogenesis of Alzheimer's disease. *Neurobiology of Aging*, **2016**, 43, 89-100	5.6	39
109	Repurposing Drugs to Target the Diabetes Epidemic. *Trends in Pharmacological Sciences*, **2016**, 37, 379-389	13.2	31
108	Minimal impact of age and housing temperature on the metabolic phenotype of Acc2-/- mice. *Journal of Endocrinology*, **2016**, 228, 127-34	4.7	8
107	βII-Tubulin alters glucose metabolism and stress response signaling to promote cell survival and proliferation in glucose-starved non-small cell lung cancer cells. *Carcinogenesis*, **2016**, 37, 787-798	4.6	20
106	The role of mitochondrial sirtuins in health and disease. *Free Radical Biology and Medicine*, **2016**, 100, 164-174	7.8	101
105	Regulation of glucose homeostasis and insulin action by ceramide acyl-chain length: A beneficial role for very long-chain sphingolipid species. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2016**, 1861, 1828-1839	5	53
104	Developmental programming of obesity and insulin resistance: does mitochondrial dysfunction in oocytes play a role?. *Molecular Human Reproduction*, **2015**, 21, 23-30	4.4	30
103	Akt activation increases cellular cholesterol by promoting the proteasomal degradation of Niemann-Pick C1. *Biochemical Journal*, **2015**, 471, 243-53	3.8	7

102	Overexpression of SIRT1 in rat skeletal muscle does not alter glucose induced insulin resistance. *PLoS ONE*, **2015**, 10, e0121959	3.7	15
101	Diabetes and its link with cancer: providing the fuel and spark to launch an aggressive growth regime. *BioMed Research International*, **2015**, 2015, 390863	3	25
100	Mitochondrial dysfunction and insulin resistance: an update. *Endocrine Connections*, **2015**, 4, R1-R15	3.5	316
99	The Influence of Macronutrients on Splanchnic and Hepatic Lymphocytes in Aging Mice. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2015**, 70, 1499-507	6.4	27
98	Disparate metabolic response to fructose feeding between different mouse strains. *Scientific Reports*, **2015**, 5, 18474	4.9	26
97	The ratio of macronutrients, not caloric intake, dictates cardiometabolic health, aging, and longevity in ad libitum-fed mice. *Cell Metabolism*, **2014**, 19, 418-30	24.6	572
96	Fatty acid metabolism, energy expenditure and insulin resistance in muscle. *Journal of Endocrinology*, **2014**, 220, T61-79	4.7	126
95	Effects of vitamin D in skeletal muscle: falls, strength, athletic performance and insulin sensitivity. *Clinical Endocrinology*, **2014**, 80, 169-81	3.4	81
94	Genetic inhibition of hepatic acetyl-CoA carboxylase activity increases liver fat and alters global protein acetylation. *Molecular Metabolism*, **2014**, 3, 419-31	8.8	66
93	PPAR□ndependent actions of omega-3 PUFAs contribute to their beneficial effects on adiposity and glucose homeostasis. *Scientific Reports*, **2014**, 4, 5538	4.9	12
92	NF1 is a critical regulator of muscle development and metabolism. *Human Molecular Genetics*, **2014**, 23, 1250-9	5.6	27
91	Grb10 deletion enhances muscle cell proliferation, differentiation and GLUT4 plasma membrane translocation. *Journal of Cellular Physiology*, **2014**, 229, 1753-64	7	18
90	Mitochondrial stress signaling promotes cellular adaptations. *International Journal of Cell Biology*, **2014**, 2014, 156020	2.6	56
89	Opening of the mitochondrial permeability transition pore links mitochondrial dysfunction to insulin resistance in skeletal muscle. *Molecular Metabolism*, **2014**, 3, 124-34	8.8	74
88	Identification of fatty acid binding protein 4 as an adipokine that regulates insulin secretion during obesity. *Molecular Metabolism*, **2014**, 3, 465-73	8.8	71
87	Are sirtuin deacylase enzymes important modulators of mitochondrial energy metabolism?. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 1295-302	4	39
86	Pharmacological PPAR□ activation markedly alters plasma turnover of the amino acids glycine, serine and arginine in the rat. *PLoS ONE*, **2014**, 9, e113328	3.7	7
85	A novel chemical uncoupler ameliorates obesity and related phenotypes in mice with diet-induced obesity by modulating energy expenditure and food intake. *Diabetologia*, **2013**, 56, 2297-307	10.3	27

84	Distinct patterns of tissue-specific lipid accumulation during the induction of insulin resistance in mice by high-fat feeding. *Diabetologia*, **2013**, 56, 1638-48	10.3	284
83	Declining NAD(+) induces a pseudohypoxic state disrupting nuclear-mitochondrial communication during aging. *Cell*, **2013**, 155, 1624-38	56.2	879
82	Mouse strain-dependent variation in obesity and glucose homeostasis in response to high-fat feeding. *Diabetologia*, **2013**, 56, 1129-39	10.3	260
81	Enhanced peroxisomal □oxidation is associated with prevention of obesity and glucose intolerance by fish oil-enriched diets. *Obesity*, **2013**, 21, 1200-7	8	28
80	Altered feeding differentially regulates circadian rhythms and energy metabolism in liver and muscle of rats. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 228-38	6.9	54
79	Contrasting metabolic effects of medium- versus long-chain fatty acids in skeletal muscle. *Journal of Lipid Research*, **2013**, 54, 3322-33	6.3	69
78	ACTN3 genotype influences muscle performance through the regulation of calcineurin signaling. *Journal of Clinical Investigation*, **2013**, 123, 4255-63	15.9	84
77	Roles of Fatty Acid oversupply and impaired oxidation in lipid accumulation in tissues of obese rats. *Journal of Lipids*, **2013**, 2013, 420754	2.7	15
76	Loss of Kr□ppel-like factor 3 (KLF3/BKLF) leads to upregulation of the insulin-sensitizing factor adipolin (FAM132A/CTRP12/C1qdc2). *Diabetes*, **2013**, 62, 2728-37	0.9	38
75	Activation of AMPK by bitter melon triterpenoids involves CaMKK□*PLoS ONE*, **2013**, 8, e62309	3.7	39
74	Grb10 regulates the development of fiber number in skeletal muscle. *FASEB Journal*, **2012**, 26, 3658-69	0.9	27
73	Adult-onset PYY overexpression in mice reduces food intake and increases lipogenic capacity. *Neuropeptides*, **2012**, 46, 173-82	3.3	17
72	Overexpression of manganese superoxide dismutase ameliorates high-fat diet-induced insulin resistance in rat skeletal muscle. *American Journal of Physiology - Endocrinology and Metabolism*, **2012**, 303, E798-805	6	58
71	Identification of BMP and activin membrane-bound inhibitor (BAMBI) as a potent negative regulator of adipogenesis and modulator of autocrine/paracrine adipogenic factors. *Diabetes*, **2012**, 61, 124-36	0.9	52
70	PS - 46. SIRT3 overexpression in rat skeletal muscle does not alleviate high-fat diet-induced insulin resistance. *Nederlands Tijdschrift Voor Diabetologie*, **2012**, 10, 130-130	0	
69	Overexpression of the adiponectin receptor AdipoR1 in rat skeletal muscle amplifies local insulin sensitivity. *Endocrinology*, **2012**, 153, 5231-46	4.8	50
68	Phenotypic discrepancies in acetyl-CoA carboxylase 2-deficient mice.. *Journal of Biological Chemistry*, **2012**, 287, 20468	5.4	78
67	Phenotypic discrepancies in acetyl-CoA carboxylase 2-deficient mice. *Journal of Biological Chemistry* , **2012**, 287, 15801; author reply 15802	5.4	7

66	Activation of thermogenesis in brown adipose tissue and dysregulated lipid metabolism associated with cancer cachexia in mice. *Cancer Research*, **2012**, 72, 4372-82	10.1	100
65	Differing endoplasmic reticulum stress response to excess lipogenesis versus lipid oversupply in relation to hepatic steatosis and insulin resistance. *PLoS ONE*, **2012**, 7, e30816	3.7	81
64	Overfeeding reduces insulin sensitivity and increases oxidative stress, without altering markers of mitochondrial content and function in humans. *PLoS ONE*, **2012**, 7, e36320	3.7	65
63	High passage MIN6 cells have impaired insulin secretion with impaired glucose and lipid oxidation. *PLoS ONE*, **2012**, 7, e40868	3.7	37
62	The evolution of insulin resistance in muscle of the glucose infused rat. *Archives of Biochemistry and Biophysics*, **2011**, 509, 133-41	4.1	15
61	PPAR□agonists have opposing effects on insulin resistance in high fat-fed rats and mice due to different metabolic responses in muscle. *British Journal of Pharmacology*, **2011**, 163, 556-66	8.6	20
60	The □3 and □6 fats in meals: a proposal for a simple new label. *Nutrition*, **2011**, 27, 719-26	4.8	6
59	The effect of □actinin-3 deficiency on muscle aging. *Experimental Gerontology*, **2011**, 46, 292-302	4.5	39
58	Amelioration of lipid-induced insulin resistance in rat skeletal muscle by overexpression of Pgc-1□ involves reductions in long-chain acyl-CoA levels and oxidative stress. *Diabetologia*, **2011**, 54, 1417-26	10.3	47
57	Time-dependent effects of Prkce deletion on glucose homeostasis and hepatic lipid metabolism on dietary lipid oversupply in mice. *Diabetologia*, **2011**, 54, 1447-56	10.3	45
56	The adaptor protein APPL1 increases glycogen accumulation in rat skeletal muscle through activation of the PI3-kinase signalling pathway. *Journal of Endocrinology*, **2011**, 210, 81-92	4.7	35
55	Peripheral neuropeptide Y Y1 receptors regulate lipid oxidation and fat accretion. *International Journal of Obesity*, **2010**, 34, 357-73	5.5	56
54	The Ski proto-oncogene regulates body composition and suppresses lipogenesis. *International Journal of Obesity*, **2010**, 34, 524-36	5.5	13
53	Y2 and Y4 receptor signaling synergistically act on energy expenditure and physical activity. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2010**, 299, R1618-28	3.2	21
52	High-throughput assay for modulators of mitochondrial membrane potential identifies a novel compound with beneficial effects on db/db mice. *Diabetes*, **2010**, 59, 256-65	0.9	42
51	The effect of exercise on the skeletal muscle phospholipidome of rats fed a high-fat diet. *International Journal of Molecular Sciences*, **2010**, 11, 3954-64	6.3	10
50	Acute or chronic upregulation of mitochondrial fatty acid oxidation has no net effect on whole-body energy expenditure or adiposity. *Cell Metabolism*, **2010**, 11, 70-6	24.6	126
49	Alpha-actinin-3 deficiency results in reduced glycogen phosphorylase activity and altered calcium handling in skeletal muscle. *Human Molecular Genetics*, **2010**, 19, 1335-46	5.6	58

48	Overexpression of the orphan receptor Nur77 alters glucose metabolism in rat muscle cells and rat muscle in vivo. *Diabetologia*, **2010**, 53, 1174-83	10.3	30
47	AMP-activated protein kinase and muscle insulin resistance. *Frontiers in Bioscience - Landmark*, **2009**, 14, 4658-72	2.8	12
46	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. *American Journal of Physiology - Endocrinology and Metabolism*, **2009**, 297, E67-75	6	62
45	Overexpression of carnitine palmitoyltransferase-1 in skeletal muscle is sufficient to enhance fatty acid oxidation and improve high-fat diet-induced insulin resistance. *Diabetes*, **2009**, 58, 550-8	0.9	254
44	Enhancement of muscle mitochondrial oxidative capacity and alterations in insulin action are lipid species dependent: potent tissue-specific effects of medium-chain fatty acids. *Diabetes*, **2009**, 58, 2547-54	0.9	107
43	The transition from fetal growth restriction to accelerated postnatal growth: a potential role for insulin signalling in skeletal muscle. *Journal of Physiology*, **2009**, 587, 4199-211	3.9	82
42	Insulin resistance and fuel homeostasis: the role of AMP-activated protein kinase. *Acta Physiologica*, **2009**, 196, 129-45	5.6	56
41	Insulin resistance is a cellular antioxidant defense mechanism. *Proceedings of the National Academy of Sciences of the United States of America*, **2009**, 106, 17787-92	11.5	362
40	New insight into the mechanism by which acute physical exercise ameliorates insulin resistance. *Journal of Physiology*, **2008**, 586, 2251-2	3.9	4
39	Is mitochondrial dysfunction a cause of insulin resistance?. *Trends in Endocrinology and Metabolism*, **2008**, 19, 324-30	8.8	130
38	The role of mitochondrial glycerol-3-phosphate acyltransferase-1 in regulating lipid and glucose homeostasis in high-fat diet fed mice. *Biochemical and Biophysical Research Communications*, **2008**, 369, 1065-70	3.4	21
37	IRS1-independent defects define major nodes of insulin resistance. *Cell Metabolism*, **2008**, 7, 421-33	24.6	229
36	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. *Diabetes*, **2008**, 57, 1414-8	0.9	399
35	Muscle insulin resistance: a case of fat overconsumption, not mitochondrial dysfunction. *Proceedings of the National Academy of Sciences of the United States of America*, **2008**, 105, 7627-8	11.5	47
34	An Actn3 knockout mouse provides mechanistic insights into the association between alpha-actinin-3 deficiency and human athletic performance. *Human Molecular Genetics*, **2008**, 17, 1076-86	5.6	218
33	Antidiabetic activities of triterpenoids isolated from bitter melon associated with activation of the AMPK pathway. *Chemistry and Biology*, **2008**, 15, 263-73		282
32	Overexpression of carnitine palmitoyltransferase I in skeletal muscle in vivo increases fatty acid oxidation and reduces triacylglycerol esterification. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 292, E1231-7	6	54
31	Dilinoleoyl-phosphatidic acid mediates reduced IRS-1 tyrosine phosphorylation in rat skeletal muscle cells and mouse muscle. *Diabetologia*, **2007**, 50, 1732-42	10.3	18

30	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. *Diabetes*, **2007**, 56, 2085-92	0.9	420
29	Glucose infusion causes insulin resistance in skeletal muscle of rats without changes in Akt and AS160 phosphorylation. *American Journal of Physiology - Endocrinology and Metabolism*, **2007**, 293, E1358-64	6	39
28	Markers of mitochondrial biogenesis and metabolism are lower in overweight and obese insulin-resistant subjects. *Journal of Clinical Endocrinology and Metabolism*, **2007**, 92, 1467-73	5.6	138
27	Calorie restriction in mice: effects on body composition, daily activity, metabolic rate, mitochondrial reactive oxygen species production, and membrane fatty acid composition. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2006**, 61, 781-94	6.4	80
26	Scaling of Na+,K+-ATPase molecular activity and membrane fatty acid composition in mammalian and avian hearts. *Physiological and Biochemical Zoology*, **2006**, 79, 522-33	2	25
25	Genetic ablation of the c-Cbl ubiquitin ligase domain results in increased energy expenditure and improved insulin action. *Diabetes*, **2006**, 55, 3411-7	0.9	41
24	Fatty acid relationships in former cannabis users with schizophrenia. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2006**, 30, 280-5	5.5	5
23	Casitas b-lineage lymphoma-deficient mice are protected against high-fat diet-induced obesity and insulin resistance. *Diabetes*, **2006**, 55, 708-15	0.9	35
22	Limits to physical performance and metabolism across species. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2006**, 9, 691-6	3.8	10
21	Cholesterol effect on the dipole potential of lipid membranes. *Biophysical Journal*, **2006**, 90, 4060-70	2.9	119
20	How might you compare mitochondria from different tissues and different species?. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2006**, 176, 93-105	2.2	61
19	Why are some mitochondria more powerful than others: insights from comparisons of muscle mitochondria from three terrestrial vertebrates. *Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology*, **2005**, 142, 172-80	2.3	26
18	Sodium pump molecular activity and membrane lipid composition in two disparate ectotherms, and comparison with endotherms. *Journal of Comparative Physiology B: Biochemical, Systemic, and Environmental Physiology*, **2005**, 175, 77-85	2.2	15
17	Dietary fats and membrane function: implications for metabolism and disease. *Biological Reviews*, **2005**, 80, 155-69	13.5	259
16	Relationship between body size, Na+-K+-ATPase activity, and membrane lipid composition in mammal and bird kidney. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R301-10	3.2	28
15	Electric field strength of membrane lipids from vertebrate species: membrane lipid composition and Na+-K+-ATPase molecular activity. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2005**, 288, R663-70	3.2	52
14	An allometric comparison of microsomal membrane lipid composition and sodium pump molecular activity in the brain of mammals and birds. *Journal of Experimental Biology*, **2005**, 208, 371-81	3	31
13	Exercise alters the profile of phospholipid molecular species in rat skeletal muscle. *Journal of Applied Physiology*, **2004**, 97, 1823-9	3.7	52

12	Greater effect of diet than exercise training on the fatty acid profile of rat skeletal muscle. *Journal of Applied Physiology*, **2004**, 96, 974-80	3.7	30
11	Rosiglitazone enhances glucose tolerance by mechanisms other than reduction of fatty acid accumulation within skeletal muscle. *Endocrinology*, **2004**, 145, 5665-70	4.8	49
10	The evolution of endothermy: role for membranes and molecular activity. *Physiological and Biochemical Zoology*, **2004**, 77, 950-8	2	44
9	Respiration rate of hepatocytes varies with body mass in birds. *Journal of Experimental Biology*, **2004**, 207, 2305-11	3	48
8	The liver isoform of carnitine palmitoyltransferase 1 is not targeted to the endoplasmic reticulum. *Biochemical Journal*, **2003**, 370, 223-31	3.8	9
7	Proton conductance and fatty acyl composition of liver mitochondria correlates with body mass in birds. *Biochemical Journal*, **2003**, 376, 741-8	3.8	117
6	Docosahexaenoic acid (DHA) content of membranes determines molecular activity of the sodium pump: implications for disease states and metabolism. *Die Naturwissenschaften*, **2003**, 90, 521-3	2	120
5	Molecular activity of sodium pumps in the kidney of mammals and birds. *Annals of the New York Academy of Sciences*, **2003**, 986, 606-7	6.5	4
4	Modulation of Na,K-ATPase by phospholipids and cholesterol. II. Steady-state and presteady-state kinetics. *Biochemistry*, **2003**, 42, 8541-9	3.2	64
3	The synthesis of sub-micron magnetic particles and their use for preparative purification of proteins **1998**, 60, 419-424		94
2	Effect of hydration on thermostability. *Biotechnology Letters*, **1995**, 17, 371-376	3	28
1	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