E Dale Abel

List of Publications by Year in Descending Order

238 papers	22,786 citations	82 h-index	147 g-index
267 ext. papers	26,688 ext. citations	8.9 avg, IF	7.09 L-index

#	Paper	IF	Citations
238	Perinatal versus adult loss of ULK1 and ULK2 distinctly influences cardiac autophagy and function.. *Autophagy*, **2022**, 1-17	10.2	1
237	Diabetes Suppresses Glucose Uptake and Glycolysis in Macrophages.. *Circulation Research*, **2022**, CIRCRESAHA121320060	15.7	1
236	The glucose transporter GLUT3 controls T helper 17 cell responses through glycolytic-epigenetic reprogramming.. *Cell Metabolism*, **2022**,	24.6	4
235	FoxO1 is required for physiological cardiac hypertrophy induced by exercise but not by constitutively active PI3K. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H1470-H1485	5.2	4
234	Reply to Petersen et al.: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 320, E1004-E1005	6	
233	OPA1 deletion in brown adipose tissue improves thermoregulation and systemic metabolism via FGF21. *ELife*, **2021**, 10,	8.9	6
232	Counterpoint: An alternative hypothesis for why exposure to static magnetic and electric fields treats type 2 diabetes. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 320, E1001-E1002	6	1
231	Insulin signaling in the heart. *American Journal of Physiology - Endocrinology and Metabolism*, **2021**, 321, E130-E145	6	5
230	Cardiac Energy Metabolism in Heart Failure. *Circulation Research*, **2021**, 128, 1487-1513	15.7	68
229	Therapeutic potential of targeting oxidative stress in diabetic cardiomyopathy. *Free Radical Biology and Medicine*, **2021**, 169, 317-342	7.8	16
228	An early endothelial cell-specific requirement for Glut1 is revealed in Glut1 deficiency syndrome model mice. *JCI Insight*, **2021**, 6,	9.9	6
227	GLUT1 Expression in Tumor-Associated Neutrophils Promotes Lung Cancer Growth and Resistance to Radiotherapy. *Cancer Research*, **2021**, 81, 2345-2357	10.1	17
226	A Universal Approach to Analyzing Transmission Electron Microscopy with ImageJ. *Cells*, **2021**, 10,	7.9	8
225	Skeletal muscle type-specific mitochondrial adaptation to high-fat diet relies on differential autophagy modulation. *FASEB Journal*, **2021**, 35, e21933	0.9	0
224	Functional resilience of C57BL/6J mouse heart to dietary fat overload. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 321, H850-H864	5.2	0
223	Calpain-2 specifically cleaves Junctophilin-2 at the same site as Calpain-1 but with less efficacy. *Biochemical Journal*, **2021**, 478, 3539-3553	3.8	1
222	Insulin and IGF-1 receptors regulate complex I-dependent mitochondrial bioenergetics and supercomplexes via FoxOs in muscle. *Journal of Clinical Investigation*, **2021**, 131,	15.9	4

221	The Role of Nonglycolytic Glucose Metabolism in Myocardial Recovery Upon Mechanical Unloading and Circulatory Support in Chronic Heart Failure. *Circulation*, **2020**, 142, 259-274	16.7	18
220	Maintaining Myocardial Glucose Utilization in Diabetic Cardiomyopathy Accelerates Mitochondrial Dysfunction. *Diabetes*, **2020**, 69, 2094-2111	0.9	22
219	Role of the GLUT1 Glucose Transporter in Postnatal CNS Angiogenesis and Blood-Brain Barrier Integrity. *Circulation Research*, **2020**, 127, 466-482	15.7	38
218	Basic Mechanisms of Diabetic Heart Disease. *Circulation Research*, **2020**, 126, 1501-1525	15.7	89
217	Both aerobic glycolysis and mitochondrial respiration are required for osteoclast differentiation. *FASEB Journal*, **2020**, 34, 11058-11067	0.9	15
216	Autophagy Reprograms Alveolar Progenitor Cell Metabolism in Response to Lung Injury. *Stem Cell Reports*, **2020**, 14, 420-432	8	15
215	Reductive Stress Causes Pathological Cardiac Remodeling and Diastolic Dysfunction. *Antioxidants and Redox Signaling*, **2020**, 32, 1293-1312	8.4	11
214	Stress-Induced Cyclin C Translocation Regulates Cardiac Mitochondrial Dynamics. *Journal of the American Heart Association*, **2020**, 9, e014366	6	6
213	Insulin receptor substrates differentially exacerbate insulin-mediated left ventricular remodeling. *JCI Insight*, **2020**, 5,	9.9	8
212	Combined deletion of Glut1 and Glut3 impairs lung adenocarcinoma growth. *ELife*, **2020**, 9,	8.9	9
211	SWELL1 regulates skeletal muscle cell size, intracellular signaling, adiposity and glucose metabolism. *ELife*, **2020**, 9,	8.9	12
210	Exposure to Static Magnetic and Electric Fields Treats Type 2 Diabetes. *Cell Metabolism*, **2020**, 32, 561-574	24.67	25
209	Increased Glucose Availability Attenuates Myocardial Ketone Body Utilization. *Journal of the American Heart Association*, **2020**, 9, e013039	6	16
208	Mitochondrial pyruvate carriers are required for myocardial stress adaptation. *Nature Metabolism*, **2020**, 2, 1248-1264	14.6	40
207	Alterations in Cardiac Metabolism in Heart Failure **2020**, 233-243.e3		
206	Myeloid -Deficient Murine Model Revealed Macrophage Activation and Metabolic Phenotype Are Fueled by GLUT1. *Journal of Immunology*, **2019**, 202, 1265-1286	5.3	55
205	Loss of MCU prevents mitochondrial fusion in G-S phase and blocks cell cycle progression and proliferation. *Science Signaling*, **2019**, 12,	8.8	33
204	Increased glycolysis mediates Wnt7b-induced bone formation. *FASEB Journal*, **2019**, 33, 7810-7821	0.9	19

203	Comparison of the Effects of High-Fat Diet on Energy Flux in Mice Using Two Multiplexed Metabolic Phenotyping Systems. *Obesity*, **2019**, 27, 793-802	8	9
202	Glucose Metabolism Is Required for Platelet Hyperactivation in a Murine Model of Type 1 Diabetes. *Diabetes*, **2019**, 68, 932-938	0.9	17
201	p63 and SOX2 Dictate Glucose Reliance and Metabolic Vulnerabilities in Squamous Cell Carcinomas. *Cell Reports*, **2019**, 28, 1860-1878.e9	10.6	35
200	Airway epithelial regeneration requires autophagy and glucose metabolism. *Cell Death and Disease*, **2019**, 10, 875	9.8	25
199	Heart Failure in Type 2 Diabetes Mellitus. *Circulation Research*, **2019**, 124, 121-141	15.7	210
198	Modulating GLUT1 expression in retinal pigment epithelium decreases glucose levels in the retina: impact on photoreceptors and Müller glial cells. *American Journal of Physiology - Cell Physiology*, **2019**, 316, C121-C133	5.4	41
197	Differential glucose requirement in skin homeostasis and injury identifies a therapeutic target for psoriasis. *Nature Medicine*, **2018**, 24, 617-627	50.5	58
196	Connexin43 and zonula occludens-1 are targets of Akt in cardiomyocytes that correlate with cardiac contractile dysfunction in Akt deficient hearts. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2018**, 1864, 1183-1191	6.9	12
195	Deletion of GLUT1 in mouse lens epithelium leads to cataract formation. *Experimental Eye Research*, **2018**, 172, 45-53	3.7	10
194	Thyrocyte-specific deletion of insulin and IGF-1 receptors induces papillary thyroid carcinoma-like lesions through EGFR pathway activation. *International Journal of Cancer*, **2018**, 143, 2458-2469	7.5	5
193	Effective Metabolic Approaches for the Energy Starved Failing Heart: Bioenergetic Resiliency via Redundancy or Something Else?. *Circulation Research*, **2018**, 123, 329-331	15.7	4
192	MITOCHONDRIAL DYNAMICS AND METABOLIC REGULATION IN CARDIAC AND SKELETAL MUSCLE. *Transactions of the American Clinical and Climatological Association*, **2018**, 129, 266-278	0.9	7
191	Patterns of Suppressed Mitochondrial Respiration in Isolated Muscle Fibers from Type 2 Diabetics. *FASEB Journal*, **2018**, 32, 618.26	0.9	
190	Mitochondrial Reactive Oxygen Species in Lipotoxic Hearts Induce Post-Translational Modifications of AKAP121, DRP1, and OPA1 That Promote Mitochondrial Fission. *Circulation Research*, **2018**, 122, 58-73	15.7	118
189	Glucose metabolism induced by Bmp signaling is essential for murine skeletal development. *Nature Communications*, **2018**, 9, 4831	17.4	36
188	Prorenin independently causes hypertension and renal and cardiac fibrosis in cyp1a1-prorenin transgenic rats. *Clinical Science*, **2018**, 132, 1345-1363	6.5	8
187	Snf1-related kinase improves cardiac mitochondrial efficiency and decreases mitochondrial uncoupling. *Nature Communications*, **2017**, 8, 14095	17.4	12
186	SWELL1 is a regulator of adipocyte size, insulin signalling and glucose homeostasis. *Nature Cell Biology*, **2017**, 19, 504-517	23.4	78

185	DNA-PK Promotes the Mitochondrial, Metabolic, and Physical Decline that Occurs During Aging. *Cell Metabolism*, **2017**, 25, 1135-1146.e7	24.6	57
184	OPA1 deficiency promotes secretion of FGF21 from muscle that prevents obesity and insulin resistance. *EMBO Journal*, **2017**, 36, 2126-2145	13	98
183	Activation of IGF-1 receptors and Akt signaling by systemic hyperinsulinemia contributes to cardiac hypertrophy but does not regulate cardiac autophagy in obese diabetic mice. *Journal of Molecular and Cellular Cardiology*, **2017**, 113, 39-50	5.8	28
182	Nox4 reprograms cardiac substrate metabolism via protein O-GlcNAcylation to enhance stress adaptation. *JCI Insight*, **2017**, 2,	9.9	29
181	Glucose transporter 4-deficient hearts develop maladaptive hypertrophy in response to physiological or pathological stresses. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H1098-H1108	5.2	27
180	Insulin-dependent metabolic and inotropic responses in the heart are modulated by hydrogen peroxide from NADPH-oxidase isoforms NOX2 and NOX4. *Free Radical Biology and Medicine*, **2017**, 113, 16-25	7.8	28
179	Deletion of GLUT1 and GLUT3 Reveals Multiple Roles for Glucose Metabolism in Platelet and Megakaryocyte Function. *Cell Reports*, **2017**, 20, 881-894	10.6	28
178	Genetic disruption of the cardiomyocyte circadian clock differentially influences insulin-mediated processes in the heart. *Journal of Molecular and Cellular Cardiology*, **2017**, 110, 80-95	5.8	34
177	Glucose Transporter 3 Potentiates Degranulation and Is Required for Platelet Activation. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2017**, 37, 1628-1639	9.4	13
176	Inhibiting Insulin-Mediated β-Adrenergic Receptor Activation Prevents Diabetes-Associated Cardiac Dysfunction. *Circulation*, **2017**, 135, 73-88	16.7	66
175	Superoxide Dismutase 2 is dispensable for platelet function. *Thrombosis and Haemostasis*, **2017**, 117, 1859-1867	7	12
174	Deletion of IGF-1 Receptors in Cardiomyocytes Attenuates Cardiac Aging in Male Mice. *Endocrinology*, **2016**, 157, 336-45	4.8	50
173	Mitochondrial Calpain-1 Disrupts ATP Synthase and Induces Superoxide Generation in Type 1 Diabetic Hearts: A Novel Mechanism Contributing to Diabetic Cardiomyopathy. *Diabetes*, **2016**, 65, 255-68	8.9	82
172	Nicotinamide riboside is uniquely and orally bioavailable in mice and humans. *Nature Communications*, **2016**, 7, 12948	17.4	349
171	Lipids, lysosomes, and autophagy. *Journal of Lipid Research*, **2016**, 57, 1619-35	6.3	119
170	Insulin and IGF-1 receptors regulate FoxO-mediated signaling in muscle proteostasis. *Journal of Clinical Investigation*, **2016**, 126, 3433-46	15.9	89
169	The Effects of Optic Atrophy Protein (OPA)-1 Deletion on Platelet Function Is Regulated By the Hormonal Milieu. *Blood*, **2016**, 128, 410-410	2.2	
168	The glucose transporter GLUT1 is required for ErbB2-induced mammary tumorigenesis. *Breast Cancer Research*, **2016**, 18, 131	8.3	36

167	Evidence of Glycolysis Up-Regulation and Pyruvate Mitochondrial Oxidation Mismatch During Mechanical Unloading of the Failing Human Heart: Implications for Cardiac Reloading and Conditioning. *JACC Basic To Translational Science*, **2016**, 1, 432-444	8.7	65
166	Insulin Signaling and Heart Failure. *Circulation Research*, **2016**, 118, 1151-69	15.7	197
165	AMPK Is Essential to Balance Glycolysis and Mitochondrial Metabolism to Control T-ALL Cell Stress and Survival. *Cell Metabolism*, **2016**, 23, 649-62	24.6	138
164	Assessing Cardiac Metabolism: A Scientific Statement From the American Heart Association. *Circulation Research*, **2016**, 118, 1659-701	15.7	142
163	Exercise training improves vascular mitochondrial function. *American Journal of Physiology - Heart and Circulatory Physiology*, **2016**, 310, H821-9	5.2	27
162	GLUT1 reductions exacerbate Alzheimer's disease vasculo-neuronal dysfunction and degeneration. *Nature Neuroscience*, **2015**, 18, 521-530	25.5	350
161	Antioxidant treatment normalizes mitochondrial energetics and myocardial insulin sensitivity independently of changes in systemic metabolic homeostasis in a mouse model of the metabolic syndrome. *Journal of Molecular and Cellular Cardiology*, **2015**, 85, 104-16	5.8	22
160	Inhibition of MCU forces extramitochondrial adaptations governing physiological and pathological stress responses in heart. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 9129-34	11.5	102
159	Lipid-induced NOX2 activation inhibits autophagic flux by impairing lysosomal enzyme activity. *Journal of Lipid Research*, **2015**, 56, 546-561	6.3	84
158	Phosphoinositide dependent protein kinase 1 is required for exercise-induced cardiac hypertrophy but not the associated mitochondrial adaptations. *Journal of Molecular and Cellular Cardiology*, **2015**, 89, 297-305	5.8	16
157	Ceramide-Initiated Protein Phosphatase 2A Activation Contributes to Arterial Dysfunction In Vivo. *Diabetes*, **2015**, 64, 3914-26	0.9	69
156	Phosphoenolpyruvate Is a Metabolic Checkpoint of Anti-tumor T Cell Responses. *Cell*, **2015**, 162, 1217-28	36.2	746
155	Enhanced cardiac Akt/protein kinase B signaling contributes to pathological cardiac hypertrophy in part by impairing mitochondrial function via transcriptional repression of mitochondrion-targeted nuclear genes. *Molecular and Cellular Biology*, **2015**, 35, 831-46	4.8	61
154	Myocardial mitochondrial dysfunction in mice lacking adiponectin receptor 1. *Basic Research in Cardiology*, **2015**, 110, 37	11.8	20
153	Kruppel-like factor 4 is critical for transcriptional control of cardiac mitochondrial homeostasis. *Journal of Clinical Investigation*, **2015**, 125, 3461-76	15.9	67
152	Molecular mechanisms of diabetic cardiomyopathy. *Diabetologia*, **2014**, 57, 660-71	10.3	502
151	The absence of insulin signaling in the heart induces changes in potassium channel expression and ventricular repolarization. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H747-54	5.2	26
150	Podocyte-specific GLUT4-deficient mice have fewer and larger podocytes and are protected from diabetic nephropathy. *Diabetes*, **2014**, 63, 701-14	0.9	41

149	Deep sequence analysis of gene expression identifies osteopontin as a downstream effector of integrin-linked kinase (ILK) in cardiac-specific ILK knockout mice. *Circulation: Heart Failure*, **2014**, 7, 184-93	7.6	12
148	The glucose transporter Glut1 is selectively essential for CD4 T cell activation and effector function. *Cell Metabolism*, **2014**, 20, 61-72	24.6	621
147	Metabolic reprogramming is required for antibody production that is suppressed in anergic but exaggerated in chronically BAFF-exposed B cells. *Journal of Immunology*, **2014**, 192, 3626-36	5.3	282
146	GLUT1 deficiency in cardiomyocytes does not accelerate the transition from compensated hypertrophy to heart failure. *Journal of Molecular and Cellular Cardiology*, **2014**, 72, 95-103	5.8	31
145	Insulin regulation of myocardial autophagy. *Circulation Journal*, **2014**, 78, 2569-76	2.9	25
144	Insulin receptor substrates are essential for the bioenergetic and hypertrophic response of the heart to exercise training. *Molecular and Cellular Biology*, **2014**, 34, 3450-60	4.8	59
143	Maintaining PGC-1 expression following pressure overload-induced cardiac hypertrophy preserves angiogenesis but not contractile or mitochondrial function. *FASEB Journal*, **2014**, 28, 3691-702	0.9	36
142	Insulin inhibits cardiac contractility by inducing a Gi-biased 2-adrenergic signaling in hearts. *Diabetes*, **2014**, 63, 2676-89	0.9	60
141	Insulin stimulates mitochondrial fusion and function in cardiomyocytes via the Akt-mTOR-NFB-Opa-1 signaling pathway. *Diabetes*, **2014**, 63, 75-88	0.9	146
140	Cardiac PI3K-Akt impairs insulin-stimulated glucose uptake independent of mTORC1 and GLUT4 translocation. *Molecular Endocrinology*, **2013**, 27, 172-84		52
139	Cardiac metabolism in heart failure: implications beyond ATP production. *Circulation Research*, **2013** , 113, 709-24	15.7	550
138	Insulin suppresses ischemic preconditioning-mediated cardioprotection through Akt-dependent mechanisms. *Journal of Molecular and Cellular Cardiology*, **2013**, 64, 20-9	5.8	28
137	Lipotoxicity contributes to endothelial dysfunction: a focus on the contribution from ceramide. *Reviews in Endocrine and Metabolic Disorders*, **2013**, 14, 59-68	10.5	75
136	Nrf2 deficiency prevents reductive stress-induced hypertrophic cardiomyopathy. *Cardiovascular Research*, **2013**, 100, 63-73	9.9	63
135	Regulation of fatty acid metabolism by mTOR in adult murine hearts occurs independently of changes in PGC-1*American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 305, H41-51	5.2	28
134	A low-carbohydrate/high-fat diet reduces blood pressure in spontaneously hypertensive rats without deleterious changes in insulin resistance. *American Journal of Physiology - Heart and Circulatory Physiology*, **2013**, 304, H1733-42	5.2	14
133	IGF-1 receptor deficiency in thyrocytes impairs thyroid hormone secretion and completely inhibits TSH-stimulated goiter. *FASEB Journal*, **2013**, 27, 4899-908	0.9	25
132	Inducible overexpression of GLUT1 prevents mitochondrial dysfunction and attenuates structural remodeling in pressure overload but does not prevent left ventricular dysfunction. *Journal of the American Heart Association*, **2013**, 2, e000301	6	58

131	Absence of glucose transporter 4 diminishes electrical activity of mouse hearts during hypoxia. *Experimental Physiology*, **2013**, 98, 746-57	2.4	10
130	Talin1 has unique expression versus talin 2 in the heart and modifies the hypertrophic response to pressure overload. *Journal of Biological Chemistry*, **2013**, 288, 4252-64	5.4	51
129	Cardiomyocyte specific deletion of Crif1 causes mitochondrial cardiomyopathy in mice. *PLoS ONE*, **2013**, 8, e53577	3.7	9
128	Mechanistic target of rapamycin (Mtor) is essential for murine embryonic heart development and growth. *PLoS ONE*, **2013**, 8, e54221	3.7	57
127	Autophagy in Diabetes and the Metabolic Syndrome **2013**, 117-139		1
126	Insulin receptor substrate signaling suppresses neonatal autophagy in the heart. *Journal of Clinical Investigation*, **2013**, 123, 5319-33	15.9	89
125	Solid phase synthesis of mitochondrial triphenylphosphonium-vitamin E metabolite using a lysine linker for reversal of oxidative stress. *PLoS ONE*, **2013**, 8, e53272	3.7	4
124	Metabolic determinants of electrical failure in ex-vivo canine model of cardiac arrest: evidence for the protective role of inorganic pyrophosphate. *PLoS ONE*, **2013**, 8, e57821	3.7	10
123	Energy-preserving effects of IGF-1 antagonize starvation-induced cardiac autophagy. *Cardiovascular Research*, **2012**, 93, 320-9	9.9	102
122	Insulin resistance: metabolic mechanisms and consequences in the heart. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2012**, 32, 2068-76	9.4	141
121	NADPH oxidase-derived reactive oxygen species increases expression of monocyte chemotactic factor genes in cultured adipocytes. *Journal of Biological Chemistry*, **2012**, 287, 10379-10393	5.4	130
120	Genetic loss of insulin receptors worsens cardiac efficiency in diabetes. *Journal of Molecular and Cellular Cardiology*, **2012**, 52, 1019-26	5.8	45
119	Modulation of the cardiovascular system by leptin. *Biochimie*, **2012**, 94, 2097-103	4.6	14
118	PGC-1 proteins and heart failure. *Trends in Cardiovascular Medicine*, **2012**, 22, 98-105	6.9	59
117	UCP3 regulates cardiac efficiency and mitochondrial coupling in high fat-fed mice but not in leptin-deficient mice. *Diabetes*, **2012**, 61, 3260-9	0.9	42
116	Mechanisms of lipotoxicity in the cardiovascular system. *Current Hypertension Reports*, **2012**, 14, 517-31	4.7	76
115	Mitochondria in Cardiac Disease **2012**, 63-82		1
114	HSPB2 is dispensable for the cardiac hypertrophic response but reduces mitochondrial energetics following pressure overload in mice. *PLoS ONE*, **2012**, 7, e42118	3.7	16

113	Inefficient reprogramming of fibroblasts into cardiomyocytes using Gata4, Mef2c, and Tbx5. *Circulation Research*, **2012**, 111, 50-5	15.7	188
112	Cytosolic, but not mitochondrial, oxidative stress is a likely contributor to cardiac hypertrophy resulting from cardiac specific GLUT4 deletion in mice. *FEBS Journal*, **2012**, 279, 599-611	5.7	23
111	Ceramide mediates vascular dysfunction in diet-induced obesity by PP2A-mediated dephosphorylation of the eNOS-Akt complex. *Diabetes*, **2012**, 61, 1848-59	0.9	149
110	Early mitochondrial adaptations in skeletal muscle to diet-induced obesity are strain dependent and determine oxidative stress and energy expenditure but not insulin sensitivity. *Endocrinology*, **2012**, 153, 2677-88	4.8	52
109	Targeting myocardial substrate metabolism in heart failure: potential for new therapies. *European Journal of Heart Failure*, **2012**, 14, 120-9	12.3	107
108	Endonuclease G: the link between mitochondria and cardiac hypertrophy?. *Circulation Research*, **2012**, 110, 378-80	15.7	1
107	Impaired transcriptional activity of Nrf2 in age-related myocardial oxidative stress is reversible by moderate exercise training. *PLoS ONE*, **2012**, 7, e45697	3.7	112
106	Receptor activator of nuclear factor-Β ligand is a novel inducer of myocardial inflammation. *Cardiovascular Research*, **2012**, 94, 105-14	9.9	37
105	Expression of slow skeletal TnI in adult mouse hearts confers metabolic protection to ischemia. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 236-43	5.8	13
104	Modulation of glucose transporter 1 (GLUT1) expression levels alters mouse mammary tumor cell growth in vitro and in vivo. *PLoS ONE*, **2011**, 6, e23205	3.7	139
103	Conditional deletion of insulin receptor in thyrocytes does not affect thyroid structure and function. *Endocrine Journal*, **2011**, 58, 1013-9	2.9	4
102	The maximal downstroke of epicardial potentials as an index of electrical activity in mouse hearts. *IEEE Transactions on Biomedical Engineering*, **2011**, 58, 3175-83	5	1
101	Iron overload and diabetes risk: a shift from glucose to Fatty Acid oxidation and increased hepatic glucose production in a mouse model of hereditary hemochromatosis. *Diabetes*, **2011**, 60, 80-7	0.9	90
100	Mitochondrial adaptations to physiological vs. pathological cardiac hypertrophy. *Cardiovascular Research*, **2011**, 90, 234-42	9.9	189
99	Oxidative phosphorylation flexibility in the liver of mice resistant to high-fat diet-induced hepatic steatosis. *Diabetes*, **2011**, 60, 2216-24	0.9	25
98	PGC-1 deficiency accelerates the transition to heart failure in pressure overload hypertrophy. *Circulation Research*, **2011**, 109, 783-93	15.7	110
97	Central leptin signaling is required to normalize myocardial fatty acid oxidation rates in caloric-restricted ob/ob mice. *Diabetes*, **2011**, 60, 1424-34	0.9	63
96	Targeted inhibition of calpain reduces myocardial hypertrophy and fibrosis in mouse models of type 1 diabetes. *Diabetes*, **2011**, 60, 2985-94	0.9	90

95	Knockout of insulin receptors in cardiomyocytes attenuates coronary arterial dysfunction induced by pressure overload. *American Journal of Physiology - Heart and Circulatory Physiology*, **2011**, 300, H374-81	5.2	17
94	Obesity and Cardiac Dysfunction **2011**, 257-292		
93	Cardiac Complications of Obesity. *FASEB Journal*, **2011**, 25, 204.1	0.9	
92	Aberrant water homeostasis detected by stable isotope analysis. *PLoS ONE*, **2010**, 5, e11699	3.7	33
91	Preferential oxidation of triacylglyceride-derived fatty acids in heart is augmented by the nuclear receptor PPARalpha. *Circulation Research*, **2010**, 107, 233-41	15.7	121
90	Acute inhibition of fatty acid import inhibits GLUT4 transcription in adipose tissue, but not skeletal or cardiac muscle tissue, partly through liver X receptor (LXR) signaling. *Diabetes*, **2010**, 59, 800-7	0.9	26
89	Nuclear receptor SHP, a death receptor that targets mitochondria, induces apoptosis and inhibits tumor growth. *Molecular and Cellular Biology*, **2010**, 30, 1341-56	4.8	84
88	Fasting-induced reductions in cardiovascular and metabolic variables occur sooner in obese versus lean mice. *Experimental Biology and Medicine*, **2010**, 235, 1489-97	3.7	11
87	Mitochondria in the diabetic heart. *Cardiovascular Research*, **2010**, 88, 229-40	9.9	171
86	An APPL1-AMPK signaling axis mediates beneficial metabolic effects of adiponectin in the heart. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 299, E721-9	6	84
85	Loss of bradykinin signaling does not accelerate the development of cardiac dysfunction in type 1 diabetic akita mice. *Endocrinology*, **2010**, 151, 3536-42	4.8	15
84	Dietary iron restriction or iron chelation protects from diabetes and loss of beta-cell function in the obese (ob/ob lep-/-) mouse. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E1236-43	6	109
83	Lipotoxicity in the heart. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2010**, 1801, 311-9	5	218
82	Diabetic cardiomyopathy, causes and effects. *Reviews in Endocrine and Metabolic Disorders*, **2010**, 11, 31-9	10.5	487
81	Excessive cardiac insulin signaling exacerbates systolic dysfunction induced by pressure overload in rodents. *Journal of Clinical Investigation*, **2010**, 120, 1506-14	15.9	153
80	PPAR□nduced cardiolipotoxicity in mice is ameliorated by PPAR□deficiency despite increases in fatty acid oxidation. *Journal of Clinical Investigation*, **2010**, 120, 3443-54	15.9	121
79	Free fatty acid oxidation in insulin resistance and obesity **2010**, 48, 5-10		11
78	Palmitate evokes ceramide-dependent reactive oxygen species (ROS) generation from sources other than NADPH oxidase in bovine aortic endothelial cells (BAECs). *FASEB Journal*, **2010**, 24, 602.7	0.9	

77	The tempo of cardiovascular and metabolic responses to fasting is different between lean and obese mice. *FASEB Journal*, **2010**, 24, 978.15	0.9	
76	Contribution of insulin and Akt1 signaling to endothelial nitric oxide synthase in the regulation of endothelial function and blood pressure. *Circulation Research*, **2009**, 104, 1085-94	15.7	145
75	Mechanisms for increased myocardial fatty acid utilization following short-term high-fat feeding. *Cardiovascular Research*, **2009**, 82, 351-60	9.9	122
74	The role of mPer2 clock gene in glucocorticoid and feeding rhythms. *Endocrinology*, **2009**, 150, 2153-60	4.8	180
73	Cerebellar neurons possess a vesicular compartment structurally and functionally similar to Glut4-storage vesicles from peripheral insulin-sensitive tissues. *Journal of Neuroscience*, **2009**, 29, 5193-201	6.6	40
72	Tissue-specific remodeling of the mitochondrial proteome in type 1 diabetic akita mice. *Diabetes*, **2009**, 58, 1986-97	0.9	138
71	Contribution of impaired myocardial insulin signaling to mitochondrial dysfunction and oxidative stress in the heart. *Circulation*, **2009**, 119, 1272-83	16.7	221
70	Mammalian target of rapamycin is a critical regulator of cardiac hypertrophy in spontaneously hypertensive rats. *Hypertension*, **2009**, 54, 1321-7	8.5	71
69	Endothelial nitric oxide synthase phosphorylation in treadmill-running mice: role of vascular signalling kinases. *Journal of Physiology*, **2009**, 587, 3911-20	3.9	88
68	Impaired insulin signaling accelerates cardiac mitochondrial dysfunction after myocardial infarction. *Journal of Molecular and Cellular Cardiology*, **2009**, 46, 910-8	5.8	60
67	Interaction of myocardial insulin receptor and IGF receptor signaling in exercise-induced cardiac hypertrophy. *Journal of Molecular and Cellular Cardiology*, **2009**, 47, 664-75	5.8	34
66	Rodent models of diabetic cardiomyopathy. *DMM Disease Models and Mechanisms*, **2009**, 2, 454-66	4.1	202
65	Insulin signaling regulates mitochondrial function in pancreatic beta-cells. *PLoS ONE*, **2009**, 4, e7983	3.7	48
64	Reversal of oxidative stress in endothelial cells by controlled release of adiponectin. *Journal of Controlled Release*, **2008**, 130, 234-7	11.7	13
63	Mitochondrial fusion and function in Charcot-Marie-Tooth type 2A patient fibroblasts with mitofusin 2 mutations. *Experimental Neurology*, **2008**, 211, 115-27	5.7	71
62	Heart-specific ablation of Prkar1a causes failure of heart development and myxomagenesis. *Circulation*, **2008**, 117, 1414-22	16.7	47
61	Hearts lacking caveolin-1 develop hypertrophy with normal cardiac substrate metabolism. *Cell Cycle* , **2008**, 7, 2509-18	4.7	16
60	Insulin-like growth factor I receptor signaling is required for exercise-induced cardiac hypertrophy. *Molecular Endocrinology*, **2008**, 22, 2531-43		148

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58	Type 1 diabetic akita mouse hearts are insulin sensitive but manifest structurally abnormal mitochondria that remain coupled despite increased uncoupling protein 3. *Diabetes*, **2008**, 57, 2924-32	0.9	140
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