Jason R B Dyck

List of Publications by Year in Descending Order

229 papers	16,258 citations	69 h-index	121 g-index
238 ext. papers	18,405 ext. citations	6.7 avg, IF	6.43 L-index

#	Paper	IF	Citations
229	Metabolomic Fingerprint of Behavioral Changes in Response to Full-Spectrum Cannabis Extracts.. *Frontiers in Pharmacology*, **2022**, 13, 831052	5.6	
228	Cardiac mechanisms of the beneficial effects of SGLT2 inhibitors in heart failure: Evidence for potential off-target effects.. *Journal of Molecular and Cellular Cardiology*, **2022**, 167, 17-31	5.8	4
227	Divergent Cardiac Effects of Angiotensin II and Isoproterenol Following Juvenile Exposure to Doxorubicin.. *Frontiers in Cardiovascular Medicine*, **2022**, 9, 742193	5.4	2
226	Substance Use Disorders and Psychoactive Drug Poisoning in Medically Authorized Cannabis Patients: Longitudinal Cohort Study. *Canadian Journal of Psychiatry*, **2021**, 7067437211060597	4.8	
225	Chronic exogenous ketone supplementation blunts the decline of cardiac function in the failing heart. *ESC Heart Failure*, **2021**,	3.7	5
224	Structural Valve Deterioration Is Linked to Increased Immune Infiltrate and Chemokine Expression. *Journal of Cardiovascular Translational Research*, **2021**, 14, 503-512	3.3	1
223	Ketone Therapy for Heart Failure: Current Evidence for Clinical Use. *Cardiovascular Research*, **2021**,	9.9	8
222	Cohort study of medical cannabis authorization and motor vehicle crash-related healthcare visits in 2014-2017 in Ontario, Canada. *Injury Epidemiology*, **2021**, 8, 33	1.7	2
221	Opioid use in medical cannabis authorization adult patients from 2013 to 2018: Alberta, Canada. *BMC Public Health*, **2021**, 21, 843	4.1	5
220	Resveratrol reduces cardiac NLRP3-inflammasome activation and systemic inflammation to lessen doxorubicin-induced cardiotoxicity in juvenile mice. *FEBS Letters*, **2021**, 595, 1681-1695	3.8	15
219	Cardiac Late Sodium Channel Current Is a Molecular Target for the Sodium/Glucose Cotransporter 2 Inhibitor Empagliflozin. *Circulation*, **2021**, 143, 2188-2204	16.7	22
218	Gaps in evidence for the use of medically authorized cannabis: Ontario and Alberta, Canada. *Harm Reduction Journal*, **2021**, 18, 61	4.6	0
217	Empagliflozin suppresses inflammation and protects against acute septic renal injury. *Inflammopharmacology*, **2021**, 29, 269-279	5.1	21
216	Inhibition of ATGL in adipose tissue ameliorates isoproterenol-induced cardiac remodeling by reducing adipose tissue inflammation. *American Journal of Physiology - Heart and Circulatory Physiology*, **2021**, 320, H432-H446	5.2	8
215	The beneficial effects of reducing NLRP3 inflammasome activation in the cardiotoxicity and the anti-cancer effects of doxorubicin. *Archives of Toxicology*, **2021**, 95, 1-9	5.8	9
214	Cardiac remodelling predicts outcome in patients with chronic heart failure. *ESC Heart Failure*, **2021** ,	3.7	2
213	Medical cannabis authorization and the risk of cardiovascular events: a longitudinal cohort study. *BMC Cardiovascular Disorders*, **2021**, 21, 426	2.3	0

212	Chronically Elevating Circulating Ketones Can Reduce Cardiac Inflammation and Blunt the Development of Heart Failure. *Circulation: Heart Failure*, **2020**, 13, e006573	7.6	19
211	The molecular mechanisms that underpin the biological benefits of full-spectrum cannabis extract in the treatment of neuropathic pain and inflammation. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2020**, 1866, 165771	6.9	16
210	The anti-inflammatory and analgesic effects of formulated full-spectrum cannabis extract in the treatment of neuropathic pain associated with multiple sclerosis. *Inflammation Research*, **2020**, 69, 549-558	7.2	11
209	Cohort study of medical cannabis authorisation and healthcare utilisation in 2014-2017 in Ontario, Canada. *Journal of Epidemiology and Community Health*, **2020**, 74, 299-304	5.1	4
208	Circulating troponin and further left ventricular ejection fraction improvement in patients with previously recovered left ventricular ejection fraction. *ESC Heart Failure*, **2020**, 7, 2725-2733	3.7	4
207	Changes in patient health questionnaire (PHQ-9) scores in adults with medical authorization for cannabis. *BMC Public Health*, **2020**, 20, 987	4.1	4
206	Empagliflozin Blunts Worsening Cardiac Dysfunction Associated With Reduced NLRP3 (Nucleotide-Binding Domain-Like Receptor Protein 3) Inflammasome Activation in Heart Failure. *Circulation: Heart Failure*, **2020**, 13, e006277	7.6	68
205	Pimozide Alleviates Hyperglycemia in Diet-Induced Obesity by Inhibiting Skeletal Muscle Ketone Oxidation. *Cell Metabolism*, **2020**, 31, 909-919.e8	24.6	13
204	Direct Effects of Empagliflozin on Extracellular Matrix Remodelling in Human Cardiac Myofibroblasts: Novel Translational Clues to Explain EMPA-REG OUTCOME Results. *Canadian Journal of Cardiology*, **2020**, 36, 543-553	3.8	40
203	Layer-specific strain in patients with heart failure using cardiovascular magnetic resonance: not all layers are the same. *Journal of Cardiovascular Magnetic Resonance*, **2020**, 22, 81	6.9	7
202	The Multiple Effects of SGLT2 Inhibitors Suggest Potential Benefit in COVID-19 Patients. *Canadian Journal of Cardiology*, **2020**, 36, 1691.e3	3.8	1
201	Breast cancer diagnosis is associated with relative left ventricular hypertrophy and elevated endothelin-1 signaling. *BMC Cancer*, **2020**, 20, 751	4.8	4
200	Resveratrol and Resveratrol-Aspirin Hybrid Compounds as Potent Intestinal Anti-Inflammatory and Anti-Tumor Drugs. *Molecules*, **2020**, 25,	4.8	6
199	The pharmacological effects of inhaled cannabis on pain in patients with multiple sclerosis: risks versus rewards. *Inflammation Research*, **2020**, 69, 1073-1076	7.2	1
198	Change of Health-Related Quality of Life Over Time and Its Association With Patient Outcomes in Patients With Heart Failure. *Journal of the American Heart Association*, **2020**, 9, e017278	6	5
197	Quantification of lung water in heart failure using cardiovascular magnetic resonance imaging. *Journal of Cardiovascular Magnetic Resonance*, **2019**, 21, 58	6.9	5
196	External Validation of the HF-PEF Model in Diagnosing Patients With Heart Failure and Preserved Ejection Fraction. *Circulation*, **2019**, 139, 2377-2379	16.7	21
195	A Description of the Medical Cannabis Use in Ontario, Canada. *Cannabis and Cannabinoid Research*, **2019**, 4, 131-135	4.6	8

194	Increased ketone body oxidation provides additional energy for the failing heart without improving cardiac efficiency. *Cardiovascular Research*, **2019**, 115, 1606-1616	9.9	69
193	The Effects of Resveratrol in Patients with Cardiovascular Disease and Heart Failure: A Narrative Review. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	75
192	Impaired branched chain amino acid oxidation contributes to cardiac insulin resistance in heart failure. *Cardiovascular Diabetology*, **2019**, 18, 86	8.7	43
191	Malonyl CoA Decarboxylase Inhibition Improves Cardiac Function Post-Myocardial Infarction. *JACC Basic To Translational Science*, **2019**, 4, 385-400	8.7	18
190	Human Pharmacokinetic Parameters of Orally Administered Δ9-Tetrahydrocannabinol Capsules Are Altered by Fed Versus Fasted Conditions and Sex Differences. *Cannabis and Cannabinoid Research*, **2019**, 4, 255-264	4.6	13
189	2-Methoxyestradiol protects against pressure overload-induced left ventricular hypertrophy. *Scientific Reports*, **2018**, 8, 2780	4.9	21
188	Uncoupling of glycolysis from glucose oxidation accompanies the development of heart failure with preserved ejection fraction. *Molecular Medicine*, **2018**, 24, 3	6.2	44
187	Co-administration of resveratrol with doxorubicin in young mice attenuates detrimental late-occurring cardiovascular changes. *Cardiovascular Research*, **2018**, 114, 1350-1359	9.9	28
186	Negative pressure ventilation decreases inflammation and lung edema during normothermic ex-vivo lung perfusion. *Journal of Heart and Lung Transplantation*, **2018**, 37, 520-530	5.8	28
185	Fecal transplant from resveratrol-fed donors improves glycaemia and cardiovascular features of the metabolic syndrome in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E511-E519	6	37
184	Atglistatin ameliorates functional decline in heart failure via adipocyte-specific inhibition of adipose triglyceride lipase. *American Journal of Physiology - Heart and Circulatory Physiology*, **2018**, 315, H879-H884	5.2	12
183	Effects of age, gender, and risk-factors for heart failure on native myocardial T and extracellular volume fraction using the SASHA sequence at 1.5T. *Journal of Magnetic Resonance Imaging*, **2018**, 48, 1307-1317	5.6	8
182	Advanced iron-overload cardiomyopathy in a genetic murine model is rescued by resveratrol therapy. *Bioscience Reports*, **2018**, 38,	4.1	8
181	Resveratrol improves cardiac function and exercise performance in MI-induced heart failure through the inhibition of cardiotoxic HETE metabolites. *Journal of Molecular and Cellular Cardiology* , **2018**, 125, 162-173	5.8	23
180	Improved Glucose Homeostasis in Obese Mice Treated With Resveratrol Is Associated With Alterations in the Gut Microbiome. *Diabetes*, **2017**, 66, 418-425	0.9	121
179	A novel complex I inhibitor protects against hypertension-induced left ventricular hypertrophy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H561-H570	5.2	11
178	Resveratrol improves exercise performance and skeletal muscle oxidative capacity in heart failure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 312, H842-H853	5.2	49
177	Cardiomyocyte-specific ablation of CD36 accelerates the progression from compensated cardiac hypertrophy to heart failure. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017** , 312, H552-H560	5.2	25

176	Chronic insulin infusion induces reversible glucose intolerance in lean rats yet ameliorates glucose intolerance in obese rats. *Biochimica Et Biophysica Acta - General Subjects*, **2017**, 1861, 313-322	4	6
175	Subclinical Pulmonary Edema Is Associated With Reduced Exercise Capacity in HFpEF and HFrEF. *Journal of the American College of Cardiology*, **2017**, 70, 1827-1828	15.1	9
174	Volume and Patterns of Physical Activity Across the Health and Heart Failure Continuum. *Canadian Journal of Cardiology*, **2017**, 33, 1465-1471	3.8	13
173	Cardiovascular susceptibility to ischemic myocardial injury in male and female rat offspring exposed to prenatal hypoxia. *Clinical Science*, **2017**, 131, 2303-2317	6.5	14
172	Differentiating heart failure phenotypes using sex-specific transcriptomic and proteomic biomarker panels. *ESC Heart Failure*, **2017**, 4, 301-311	3.7	24
171	Empagliflozin Prevents Worsening of Cardiac Function in an Experimental Model of Pressure Overload-Induced Heart Failure. *JACC Basic To Translational Science*, **2017**, 2, 347-354	8.7	87
170	Hearts lacking plasma membrane K channels display changes in basal aerobic metabolic substrate preference and AMPK activity. *American Journal of Physiology - Heart and Circulatory Physiology*, **2017**, 313, H469-H478	5.2	5
169	Comparison of two commonly used clinical cognitive screening tests to diagnose mild cognitive impairment in heart failure with the golden standard European Consortium Criteria. *International Journal of Cardiology*, **2017**, 228, 558-562	3.2	20
168	The role of AMPK in cardiomyocyte health and survival. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 2199-2210	6.9	72
167	Normalization of cardiac substrate utilization and left ventricular hypertrophy precede functional recovery in heart failure regression. *Cardiovascular Research*, **2016**, 110, 249-57	9.9	24
166	The role of CD36 in the regulation of myocardial lipid metabolism. *Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids*, **2016**, 1861, 1450-60	5	46
165	Perinatal Resveratrol Supplementation to Spontaneously Hypertensive Rat Dams Mitigates the Development of Hypertension in Adult Offspring. *Hypertension*, **2016**, 67, 1038-44	8.5	40
164	Inhibition of the Unfolded Protein Response Mechanism Prevents Cardiac Fibrosis. *PLoS ONE*, **2016**, 11, e0159682	3.7	36
163	Resveratrol mediates therapeutic hepatic effects in acquired and genetic murine models of iron-overload. *Liver International*, **2016**, 36, 246-57	7.9	27
162	Muscle expression of a malonyl-CoA-insensitive carnitine palmitoyltransferase-1 protects mice against high-fat/high-sucrose diet-induced insulin resistance. *American Journal of Physiology - Endocrinology and Metabolism*, **2016**, 311, E649-60	6	8
161	The Emerging Role of Metabolomics in the Diagnosis and Prognosis of Cardiovascular Disease. *Journal of the American College of Cardiology*, **2016**, 68, 2850-2870	15.1	158
160	Genetic and Pharmacological Inhibition of Malonyl CoA Decarboxylase Does Not Exacerbate Age-Related Insulin Resistance in Mice. *Diabetes*, **2016**, 65, 1883-91	0.9	10
159	Vagus nerve contributes to the development of steatohepatitis and obesity in phosphatidylethanolamine N-methyltransferase deficient mice. *Journal of Hepatology*, **2015**, 62, 913-20	13.4	11

158	Myocardial metabolism in diabetic cardiomyopathy: potential therapeutic targets. *Antioxidants and Redox Signaling*, **2015**, 22, 1606-30	8.4	35
157	Resveratrol prevents pathological but not physiological cardiac hypertrophy. *Journal of Molecular Medicine*, **2015**, 93, 413-25	5.5	33
156	Inhibiting peripheral serotonin synthesis reduces obesity and metabolic dysfunction by promoting brown adipose tissue thermogenesis. *Nature Medicine*, **2015**, 21, 166-72	50.5	288
155	Preclinical and clinical evidence for the role of resveratrol in the treatment of cardiovascular diseases. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2015**, 1852, 1155-77	6.9	204
154	Skeletal muscle ACC2 S212 phosphorylation is not required for the control of fatty acid oxidation during exercise. *Physiological Reports*, **2015**, 3, e12444	2.6	12
153	Iron-overload injury and cardiomyopathy in acquired and genetic models is attenuated by resveratrol therapy. *Scientific Reports*, **2015**, 5, 18132	4.9	63
152	5RAMP activated protein kinase 2 controls substrate metabolism during post-exercise recovery via regulation of pyruvate dehydrogenase kinase4. *Journal of Physiology*, **2015**, 593, 4765-80	3.9	27
151	Therapeutic potential of resveratrol in heart failure. *Annals of the New York Academy of Sciences*, **2015**, 1348, 32-45	6.5	42
150	AMPK deficiency in cardiac muscle results in dilated cardiomyopathy in the absence of changes in energy metabolism. *Cardiovascular Research*, **2015**, 107, 235-45	9.9	47
149	Resveratrol treatment of mice with pressure-overload-induced heart failure improves diastolic function and cardiac energy metabolism. *Circulation: Heart Failure*, **2015**, 8, 128-37	7.6	66
148	Modulator of apoptosis 1 (MOAP-1) is a tumor suppressor protein linked to the RASSF1A protein. *Journal of Biological Chemistry*, **2015**, 290, 24100-18	5.4	21
147	Is AMPK the savior of the failing heart?. *Trends in Endocrinology and Metabolism*, **2015**, 26, 40-8	8.8	59
146	Peripheral chemoreceptor control of cardiovascular function at rest and during exercise in heart failure patients. *Journal of Applied Physiology*, **2015**, 118, 839-48	3.7	13
145	Metabolomic fingerprint of heart failure with preserved ejection fraction. *PLoS ONE*, **2015**, 10, e0124844	3.7	106
144	The anti-proliferative effect of metformin in triple-negative MDA-MB-231 breast cancer cells is highly dependent on glucose concentration: implications for cancer therapy and prevention. *Biochimica Et Biophysica Acta - General Subjects*, **2014**, 1840, 1943-57	4	67
143	AMPK phosphorylation of ACC2 is required for skeletal muscle fatty acid oxidation and insulin sensitivity in mice. *Diabetologia*, **2014**, 57, 1693-702	10.3	88
142	AMPK-dependent inhibitory phosphorylation of ACC is not essential for maintaining myocardial fatty acid oxidation. *Circulation Research*, **2014**, 115, 518-24	15.7	33
141	Experimental studies of the molecular pathways regulated by exercise and resveratrol in heart, skeletal muscle and the vasculature. *Molecules*, **2014**, 19, 14919-47	4.8	20

140	Intracellular long-chain acyl CoAs activate TRPV1 channels. *PLoS ONE*, **2014**, 9, e96597	3.7	11
139	Circulating levels of tumor necrosis factor-alpha receptor 2 are increased in heart failure with preserved ejection fraction relative to heart failure with reduced ejection fraction: evidence for a divergence in pathophysiology. *PLoS ONE*, **2014**, 9, e99495	3.7	71
138	Proteomic biomarkers of recovered heart function. *European Journal of Heart Failure*, **2014**, 16, 551-9	12.3	10
137	Systemic and renal oxidative stress in the pathogenesis of hypertension: modulation of long-term control of arterial blood pressure by resveratrol. *Frontiers in Physiology*, **2014**, 5, 292	4.6	50
136	The Alberta Heart Failure Etiology and Analysis Research Team (HEART) study. *BMC Cardiovascular Disorders*, **2014**, 14, 91	2.3	22
135	Characterization of a novel multifunctional resveratrol derivative for the treatment of atrial fibrillation. *British Journal of Pharmacology*, **2014**, 171, 92-106	8.6	20
134	Preparing today's cardiovascular trainees to meet the challenges of tomorrow: team research and interdisciplinary training. *Canadian Journal of Cardiology*, **2014**, 30, 683-6	3.8	5
133	Increased hepatic CD36 expression with age is associated with enhanced susceptibility to nonalcoholic fatty liver disease. *Aging*, **2014**, 6, 281-95	5.6	64
132	Normoglycemia sensitizes MDA-MB-231 breast cancer cells to metformin through an AMPK-dependent mechanism (LB610). *FASEB Journal*, **2014**, 28, LB610	0.9	1
131	Differential regulation of the expressions of the PGC-1β splice variants, lipins, and PPARβ in heart compared to liver. *Journal of Lipid Research*, **2013**, 54, 1662-1677	6.3	10
130	Single phosphorylation sites in Acc1 and Acc2 regulate lipid homeostasis and the insulin-sensitizing effects of metformin. *Nature Medicine*, **2013**, 19, 1649-54	50.5	503
129	Cardiomyocyte specific adipose triglyceride lipase overexpression prevents doxorubicin induced cardiac dysfunction in female mice. *Heart*, **2013**, 99, 1041-7	5.1	14
128	Enhanced recovery from ischemia-reperfusion injury in PI3Kγ dominant negative hearts: investigating the role of alternate PI3K isoforms, increased glucose oxidation and MAPK signaling. *Journal of Molecular and Cellular Cardiology*, **2013**, 54, 9-18	5.8	13
127	AMPK signalling and the control of substrate use in the heart. *Molecular and Cellular Endocrinology*, **2013**, 366, 180-93	4.4	34
126	Early structural and metabolic cardiac remodelling in response to inducible adipose triglyceride lipase ablation. *Cardiovascular Research*, **2013**, 99, 442-51	9.9	43
125	Cardiomyocyte-specific ablation of CD36 improves post-ischemic functional recovery. *Journal of Molecular and Cellular Cardiology*, **2013**, 63, 180-8	5.8	48
124	Metabolic effects of glutamine on the heart: anaplerosis versus the hexosamine biosynthetic pathway. *Journal of Molecular and Cellular Cardiology*, **2013**, 55, 92-100	5.8	38
123	LKB1 regulates lipid oxidation during exercise independently of AMPK. *Diabetes*, **2013**, 62, 1490-9	0.9	54

122	Myocardial adipose triglyceride lipase overexpression protects diabetic mice from the development of lipotoxic cardiomyopathy. *Diabetes*, **2013**, 62, 1464-77	0.9	68
121	Myocardial triacylglycerol metabolism. *Journal of Molecular and Cellular Cardiology*, **2013**, 55, 101-10	5.8	51
120	Resveratrol prevents hypertension and cardiac hypertrophy in hypertensive rats and mice. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2013**, 1832, 1723-33	6.9	137
119	Both aerobic exercise and resveratrol supplementation attenuate doxorubicin-induced cardiac injury in mice. *American Journal of Physiology - Endocrinology and Metabolism*, **2013**, 305, E243-53	6	89
118	Hypoxic regulation of hand1 controls the fetal-neonatal switch in cardiac metabolism. *PLoS Biology*, **2013**, 11, e1001666	9.7	41
117	Hyperpolarized (13)C magnetic resonance reveals early- and late-onset changes to in vivo pyruvate metabolism in the failing heart. *European Journal of Heart Failure*, **2013**, 15, 130-40	12.3	104
116	Mitochondrial oxidative stress corrupts coronary collateral growth by activating adenosine monophosphate activated kinase-signaling. *Arteriosclerosis, Thrombosis, and Vascular Biology*, **2013**, 33, 1911-9	9.4	19
115	Multiphasic triacylglycerol dynamics in the intact heart during acute in vivo overexpression of CD36. *Journal of Lipid Research*, **2013**, 54, 97-106	6.3	24
114	Calreticulin induces dilated cardiomyopathy. *PLoS ONE*, **2013**, 8, e56387	3.7	20
113	Reducing Oxidative Stress and Manipulating Molecular Signaling Events Using Resveratrol as a Therapy for Pathological Cardiac Hypertrophy **2013**, 227-254		
112	Effect of low-dose dopamine on cardio-respiratory physiology in heart failure patients. *FASEB Journal*, **2013**, 27, 928.6	0.9	
111	Resveratrol as a calorie restriction mimetic: therapeutic implications. *Trends in Cell Biology*, **2012**, 22, 546-54	18.3	147
110	Resveratrol inhibits neointimal formation after arterial injury through an endothelial nitric oxide synthase-dependent mechanism. *Atherosclerosis*, **2012**, 222, 375-81	3.1	40
109	Carbonic anhydrase II promotes cardiomyocyte hypertrophy. *Canadian Journal of Physiology and Pharmacology*, **2012**, 90, 1599-610	2.4	34
108	Improvements in skeletal muscle strength and cardiac function induced by resveratrol during exercise training contribute to enhanced exercise performance in rats. *Journal of Physiology*, **2012**, 590, 2783-99	3.9	118
107	Stimulation of glucose oxidation protects against acute myocardial infarction and reperfusion injury. *Cardiovascular Research*, **2012**, 94, 359-69	9.9	133
106	Age-related cardiovascular disease and the beneficial effects of calorie restriction. *Heart Failure Reviews*, **2012**, 17, 707-19	5	21
105	Myocardial ATGL overexpression decreases the reliance on fatty acid oxidation and protects against pressure overload-induced cardiac dysfunction. *Molecular and Cellular Biology*, **2012**, 32, 740-50	4.8	81

104	Exercise modulation of the host-tumor interaction in an orthotopic model of murine prostate cancer. *Journal of Applied Physiology*, **2012**, 113, 263-72	3.7	83
103	Synergistic effects of prenatal hypoxia and postnatal high-fat diet in the development of cardiovascular pathology in young rats. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2012**, 303, R418-26	3.2	33
102	Relationship of glucose and oleate metabolism to cardiac function in lipin-1 deficient (fld) mice. *Journal of Lipid Research*, **2012**, 53, 105-18	6.3	28
101	AMPK and Metabolic Remodeling in Cardiac Disease **2012**, 113-150		
100	Calorie restriction and resveratrol in cardiovascular health and disease. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2011**, 1812, 1477-89	6.9	119
99	Post-translational modifications, a key process in CD36 function: lessons from the spontaneously hypertensive rat heart. *Journal of Molecular and Cellular Cardiology*, **2011**, 51, 99-108	5.8	39
98	O-GlcNAcylation, novel post-translational modification linking myocardial metabolism and cardiomyocyte circadian clock. *Journal of Biological Chemistry*, **2011**, 286, 44606-19	5.4	95
97	Improved cardiac metabolism and activation of the RISK pathway contributes to improved post-ischemic recovery in calorie restricted mice. *Journal of Molecular Medicine*, **2011**, 89, 291-302	5.5	23
96	Increased CD36 expression in middle-aged mice contributes to obesity-related cardiac hypertrophy in the absence of cardiac dysfunction. *Journal of Molecular Medicine*, **2011**, 89, 459-69	5.5	47
95	Evidence suggesting that the cardiomyocyte circadian clock modulates responsiveness of the heart to hypertrophic stimuli in mice. *Chronobiology International*, **2011**, 28, 187-203	3.6	74
94	Activation of Akt protects alveoli from neonatal oxygen-induced lung injury. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 44, 146-54	5.7	41
93	Hypoxia-induced intrauterine growth restriction increases the susceptibility of rats to high-fat diet-induced metabolic syndrome. *Diabetes*, **2011**, 60, 507-16	0.9	105
92	Continued postnatal administration of resveratrol prevents diet-induced metabolic syndrome in rat offspring born growth restricted. *Diabetes*, **2011**, 60, 2274-84	0.9	59
91	Impaired phosphatidylcholine biosynthesis reduces atherosclerosis and prevents lipotoxic cardiac dysfunction in ApoE-/- Mice. *Circulation Research*, **2011**, 108, 686-94	15.7	31
90	Epigenetic attenuation of mitochondrial superoxide dismutase 2 in pulmonary arterial hypertension: a basis for excessive cell proliferation and a new therapeutic target. *Circulation*, **2010** , 121, 2661-71	16.7	301
89	Inhibition of beta-cell sodium-calcium exchange enhances glucose-dependent elevations in cytoplasmic calcium and insulin secretion. *Diabetes*, **2010**, 59, 1686-93	0.9	30
88	Fatty acid oxidation and malonyl-CoA decarboxylase in the vascular remodeling of pulmonary hypertension. *Science Translational Medicine*, **2010**, 2, 44ra58	17.5	149
87	Short communication: ischemia/reperfusion tolerance is time-of-day-dependent: mediation by the cardiomyocyte circadian clock. *Circulation Research*, **2010**, 106, 546-50	15.7	170

86	Calorie restriction prevents hypertension and cardiac hypertrophy in the spontaneously hypertensive rat. *Hypertension*, **2010**, 56, 412-21	8.5	97
85	Alterations in skeletal muscle fatty acid handling predisposes middle-aged mice to diet-induced insulin resistance. *Diabetes*, **2010**, 59, 1366-75	0.9	54
84	Direct regulation of myocardial triglyceride metabolism by the cardiomyocyte circadian clock. *Journal of Biological Chemistry*, **2010**, 285, 2918-29	5.4	81
83	Shedding light on the enigma of myocardial lipotoxicity: the involvement of known and putative regulators of fatty acid storage and mobilization. *American Journal of Physiology - Endocrinology and Metabolism*, **2010**, 298, E897-908	6	77
82	Loss of TGH/Ces3 in mice decreases blood lipids, improves glucose tolerance, and increases energy expenditure. *Cell Metabolism*, **2010**, 11, 183-93	24.6	130
81	Impaired de novo choline synthesis explains why phosphatidylethanolamine N-methyltransferase-deficient mice are protected from diet-induced obesity. *Journal of Biological Chemistry*, **2010**, 285, 22403-13	5.4	131
80	Insulin-stimulated cardiac glucose oxidation is increased in high-fat diet-induced obese mice lacking malonyl CoA decarboxylase. *Diabetes*, **2009**, 58, 1766-75	0.9	104
79	Dehydroepiandrosterone reverses systemic vascular remodeling through the inhibition of the Akt/GSK3-{beta}/NFAT axis. *Circulation*, **2009**, 120, 1231-40	16.7	95
78	Resveratrol prevents the prohypertrophic effects of oxidative stress on LKB1. *Circulation*, **2009**, 119, 1643-52	16.7	186
77	Cardiac-specific deletion of LKB1 leads to hypertrophy and dysfunction. *Journal of Biological Chemistry*, **2009**, 284, 35839-49	5.4	119
76	AMP-activated protein kinase influences metabolic remodeling in H9c2 cells hypertrophied by arginine vasopressin. *American Journal of Physiology - Heart and Circulatory Physiology*, **2009**, 296, H1822-32	5.2	17
75	Distinct early signaling events resulting from the expression of the PRKAG2 R302Q mutant of AMPK contribute to increased myocardial glycogen. *Circulation: Cardiovascular Genetics*, **2009**, 2, 457-66		26
74	A dynamic and chamber-specific mitochondrial remodeling in right ventricular hypertrophy can be therapeutically targeted. *Journal of Thoracic and Cardiovascular Surgery*, **2008**, 136, 168-78, 178.e1-3	1.5	79
73	Mitochondrial overload and incomplete fatty acid oxidation contribute to skeletal muscle insulin resistance. *Cell Metabolism*, **2008**, 7, 45-56	24.6	1378
72	Resveratrol inhibits cardiac hypertrophy via AMP-activated protein kinase and Akt. *Journal of Biological Chemistry*, **2008**, 283, 24194-201	5.4	192
71	Disruption of the circadian clock within the cardiomyocyte influences myocardial contractile function, metabolism, and gene expression. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H1036-47	5.2	252
70	Metabolic actions of metformin in the heart can occur by AMPK-independent mechanisms. *American Journal of Physiology - Heart and Circulatory Physiology*, **2008**, 294, H2497-506	5.2	68
69	Inhibition of hepatic phosphatidylcholine synthesis by 5-aminoimidazole-4-carboxamide-1-beta-4-ribofuranoside is independent of AMP-activated protein kinase activation. *Journal of Biological Chemistry*, **2007**, 282, 4516-4523	5.4	44

68	p38 mitogen-activated protein kinase mediates adenosine-induced alterations in myocardial glucose utilization via 5RAMP-activated protein kinase. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H1978-85	5.2	30
67	Inhibition of p38 MAPK and AMPK restores adenosine-induced cardioprotection in hearts stressed by antecedent ischemia by altering glucose utilization. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H1107-14	5.2	40
66	Circadian rhythms in myocardial metabolism and contractile function: influence of workload and oleate. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H2385-93	5.2	47
65	The AMPK gamma1 R70Q mutant regulates multiple metabolic and growth pathways in neonatal cardiac myocytes. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 293, H3456-64	5.2	6
64	Expression of an active LKB1 complex in cardiac myocytes results in decreased protein synthesis associated with phenylephrine-induced hypertrophy. *American Journal of Physiology - Heart and Circulatory Physiology*, **2007**, 292, H1460-9	5.2	36
63	Increased hepatic CD36 expression contributes to dyslipidemia associated with diet-induced obesity. *Diabetes*, **2007**, 56, 2863-71	0.9	320
62	The ischemic heart: starving to stimulate the adiponectin-AMPK signaling axis. *Circulation*, **2007**, 116, 2779-81	16.7	12
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