Kimberley M Mellor

List of Publications by Year
in descending order

36 papers	1,230 citations	361045 20 h-index	377514 34 g-index
37 all docs	37 docs citations	37 times ranked	4011 citing authors

#	Article	IF	Citations
1	Myocardial autophagy activation and suppressed survival signaling is associated with insulin resistance in fructose-fed mice. Journal of Molecular and Cellular Cardiology, 2011, 50, 1035-1043.	0.9	179
2	Myocardial stress and autophagy: mechanisms and potential therapies. Nature Reviews Cardiology, 2017, 14, 412-425.	6.1	133
3	Myocardial glycophagy â€" A specific glycogen handling response to metabolic stress is accentuated in the female heart. Journal of Molecular and Cellular Cardiology, 2013, 65, 67-75.	0.9	66
4	Myocardial autophagic energy stress responsesâ€"macroautophagy, mitophagy, and glycophagy. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 308, H1194-H1204.	1.5	57
5	High-fructose diet elevates myocardial superoxide generation in mice in the absence of cardiac hypertrophy. Nutrition, 2010, 26, 842-848.	1.1	52
6	Autophagy anomalies in the diabetic myocardium. Autophagy, 2011, 7, 1263-1267.	4.3	49
7	Fructose diet treatment in mice induces fundamental disturbance of cardiomyocyte Ca²⁺handling and myofilament responsiveness. American Journal of Physiology - Heart and Circulatory Physiology, 2012, 302, H964-H972.	1.5	48
8	Reactive oxygen species and insulinâ€resistant cardiomyopathy. Clinical and Experimental Pharmacology and Physiology, 2010, 37, 222-228.	0.9	44
9	Aromatase Deficiency Confers Paradoxical Postischemic Cardioprotection. Endocrinology, 2011, 152, 4937-4947.	1.4	43
10	Cardiomyocyte glycophagy is regulated by insulin and exposure to high extracellular glucose. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 306, H1240-H1245.	1.5	42
11	Elevated dietary sugar and the heart: experimental models and myocardial remodeling. Canadian Journal of Physiology and Pharmacology, 2010, 88, 525-540.	0.7	40
12	Diastolic dysfunction is more apparent in STZ-induced diabetic female mice, despite less pronounced hyperglycemia. Scientific Reports, 2018, 8, 2346.	1.6	38
13	Diabetic Cardiomyopathy: The Case for a Role of Fructose in Disease Etiology. Diabetes, 2016, 65, 3521-3528.	0.3	37
14	Heritable pathologic cardiac hypertrophy in adulthood is preceded by neonatal cardiac growth restriction. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2009, 296, R672-R680.	0.9	31
15	Myocardial insulin resistance, metabolic stress and autophagy in diabetes. Clinical and Experimental Pharmacology and Physiology, 2013, 40, 56-61.	0.9	28
16	Myocardial glycogen dynamics: New perspectives on disease mechanisms. Clinical and Experimental Pharmacology and Physiology, 2015, 42, 415-425.	0.9	28
17	Fructose Modulates Cardiomyocyte Excitation-Contraction Coupling and Ca2+ Handling In Vitro. PLoS ONE, 2011, 6, e25204.	1.1	28
18	Cardiomyocyte Functional Etiology in Heart Failure With Preserved Ejection Fraction Is Distinctiveâ€"A New Preclinical Model. Journal of the American Heart Association, 2018, 7, .	1.6	27

#	Article	IF	Citations
19	Ageing-related cardiomyocyte functional decline is sex and angiotensin II dependent. Age, 2014, 36, 9630.	3.0	24
20	Glucose as an agent of post-translational modification in diabetes â€" New cardiac epigenetic insights. Life Sciences, 2015, 129, 48-53.	2.0	24
21	Sex, sex steroids, and diabetic cardiomyopathy: making the case for experimental focus. American Journal of Physiology - Heart and Circulatory Physiology, 2013, 305, H779-H792.	1.5	21
22	Does the intercept of the heatâ€"stress relation provide an accurate estimate of cardiac activation heat?. Journal of Physiology, 2017, 595, 4725-4733.	1.3	20
23	Guidelines on models of diabetic heart disease. American Journal of Physiology - Heart and Circulatory Physiology, 2022, 323, H176-H200.	1.5	20
24	Cardiac ischaemic stress: Cardiomyocyte Ca2+, sex and sex steroids. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 717-723.	0.9	19
25	Myocardial Energy Stress, Autophagy Induction, and Cardiomyocyte Functional Responses. Antioxidants and Redox Signaling, 2019, 31, 472-486.	2.5	19
26	Cardiac troponins may be irreversibly modified by glycation: novel potential mechanisms of cardiac performance modulation. Scientific Reports, 2018, 8, 16084.	1.6	17
27	The afterload-dependent peak efficiency of the isolated working rat heart is unaffected by streptozotocin-induced diabetes. Cardiovascular Diabetology, 2014, 13, 4.	2.7	16
28	Glycogen-autophagy: Molecular machinery and cellular mechanisms of glycophagy. Journal of Biological Chemistry, 2022, 298, 102093.	1.6	16
29	Autophagic predisposition in the insulin resistant diabetic heart. Life Sciences, 2013, 92, 616-620.	2.0	14
30	Myocardial and Cardiomyocyte Stress Resilience Is Enhanced in Aromatase-Deficient Female Mouse Hearts Through CaMKIIÎ´Activation. Endocrinology, 2015, 156, 1429-1440.	1.4	12
31	Elevated myocardial fructose and sorbitol levels are associated with diastolic dysfunction in diabetic patients, and cardiomyocyte lipid inclusions in vitro. Nutrition and Diabetes, 2021, 11, 8.	1.5	11
32	Î²₁â€Adrenoceptor, but not Î²₂â€adrenoceptor, subtype regulates heart rate in type 2 diabetic rats <i>in vivo</i>. Experimental Physiology, 2017, 102, 911-923.	0.9	8
33	Dietary omega-6 fatty acid replacement selectively impairs cardiac functional recovery after ischemia in female (but not male) rats. American Journal of Physiology - Heart and Circulatory Physiology, 2016, 311, H768-H780.	1.5	7
34	Angiotensin-(1-9). Journal of the American College of Cardiology, 2016, 68, 2667-2669.	1.2	5
35	Cardiac mechanical efficiency is preserved in primary cardiac hypertrophy despite impaired mechanical function. Journal of General Physiology, 2021, 153, .	0.9	2
36	Epigenetics and cardiovascular disease. Life Sciences, 2015, 129, 1-2.	2.0	1