

Kimberley M Mellor

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

32
papers

936
citations

19
h-index

30
g-index

37
ext. papers

1,092
ext. citations

4.9
avg, IF

4.2
L-index

#	Paper	IF	Citations
32	Myocardial autophagy activation and suppressed survival signaling is associated with insulin resistance in fructose-fed mice. <i>Journal of Molecular and Cellular Cardiology</i> , 2011 , 50, 1035-43	5.8	154
31	Myocardial stress and autophagy: mechanisms and potential therapies. <i>Nature Reviews Cardiology</i> , 2017 , 14, 412-425	14.8	100
30	Myocardial glycophagy - a specific glycogen handling response to metabolic stress is accentuated in the female heart. <i>Journal of Molecular and Cellular Cardiology</i> , 2013 , 65, 67-75	5.8	54
29	Myocardial autophagic energy stress responses--macroautophagy, mitophagy, and glycophagy. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015 , 308, H1194-204	5.2	47
28	High-fructose diet elevates myocardial superoxide generation in mice in the absence of cardiac hypertrophy. <i>Nutrition</i> , 2010 , 26, 842-8	4.8	46
27	Autophagy anomalies in the diabetic myocardium. <i>Autophagy</i> , 2011 , 7, 1263-7	10.2	39
26	Aromatase deficiency confers paradoxical postischemic cardioprotection. <i>Endocrinology</i> , 2011 , 152, 4937-47	4.7	38
25	Fructose diet treatment in mice induces fundamental disturbance of cardiomyocyte Ca ²⁺ handling and myofilament responsiveness. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2012 , 302, H964-72	5.2	38
24	Reactive oxygen species and insulin-resistant cardiomyopathy. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2010 , 37, 222-8	3	36
23	Elevated dietary sugar and the heart: experimental models and myocardial remodeling. <i>Canadian Journal of Physiology and Pharmacology</i> , 2010 , 88, 525-40	2.4	32
22	Diabetic Cardiomyopathy: The Case for a Role of Fructose in Disease Etiology. <i>Diabetes</i> , 2016 , 65, 3521-3538	15.9	30
21	Cardiomyocyte glycophagy is regulated by insulin and exposure to high extracellular glucose. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1240-5	5.2	29
20	Heritable pathologic cardiac hypertrophy in adulthood is preceded by neonatal cardiac growth restriction. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009 , 296, R672-80	3.2	27
19	Myocardial insulin resistance, metabolic stress and autophagy in diabetes. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2013 , 40, 56-61	3	24
18	Fructose modulates cardiomyocyte excitation-contraction coupling and Ca ²⁺ handling in vitro. <i>PLoS ONE</i> , 2011 , 6, e25204	3.7	23
17	Myocardial glycogen dynamics: new perspectives on disease mechanisms. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015 , 42, 415-25	3	21
16	Glucose as an agent of post-translational modification in diabetes--New cardiac epigenetic insights. <i>Life Sciences</i> , 2015 , 129, 48-53	6.8	20

15	Ageing-related cardiomyocyte functional decline is sex and angiotensin II dependent. <i>Age</i> , 2014 , 36, 9630		20
14	Cardiac ischaemic stress: cardiomyocyte Ca ²⁺ , sex and sex steroids. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 717-23	3	19
13	Diastolic dysfunction is more apparent in STZ-induced diabetic female mice, despite less pronounced hyperglycemia. <i>Scientific Reports</i> , 2018 , 8, 2346	4.9	17
12	Cardiomyocyte Functional Etiology in Heart Failure With Preserved Ejection Fraction Is Distinctive-A New Preclinical Model. <i>Journal of the American Heart Association</i> , 2018 , 7,	6	17
11	Sex, sex steroids, and diabetic cardiomyopathy: making the case for experimental focus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2013 , 305, H779-92	5.2	17
10	Does the intercept of the heat-stress relation provide an accurate estimate of cardiac activation heat?. <i>Journal of Physiology</i> , 2017 , 595, 4725-4733	3.9	14
9	The afterload-dependent peak efficiency of the isolated working rat heart is unaffected by streptozotocin-induced diabetes. <i>Cardiovascular Diabetology</i> , 2014 , 13, 4	8.7	13
8	Myocardial and cardiomyocyte stress resilience is enhanced in aromatase-deficient female mouse hearts through CaMKII β activation. <i>Endocrinology</i> , 2015 , 156, 1429-40	4.8	11
7	Cardiac troponins may be irreversibly modified by glycation: novel potential mechanisms of cardiac performance modulation. <i>Scientific Reports</i> , 2018 , 8, 16084	4.9	11
6	Autophagic predisposition in the insulin resistant diabetic heart. <i>Life Sciences</i> , 2013 , 92, 616-20	6.8	10
5	Myocardial Energy Stress, Autophagy Induction, and Cardiomyocyte Functional Responses. <i>Antioxidants and Redox Signaling</i> , 2019 , 31, 472-486	8.4	9
4	α -Adrenoceptor, but not β -adrenoceptor, subtype regulates heart rate in type 2 diabetic rats in vivo. <i>Experimental Physiology</i> , 2017 , 102, 911-923	2.4	7
3	Dietary omega-6 fatty acid replacement selectively impairs cardiac functional recovery after ischemia in female (but not male) rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2016 , 311, H768-80	5.2	5
2	Elevated myocardial fructose and sorbitol levels are associated with diastolic dysfunction in diabetic patients, and cardiomyocyte lipid inclusions in vitro. <i>Nutrition and Diabetes</i> , 2021 , 11, 8	4.7	1
1	Glycogen-autophagy: Molecular machinery and cellular mechanisms of glycophyagy. <i>Journal of Biological Chemistry</i> , 2022 , 102093	5.4	1