

Darren C Henstridge

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.

68

papers

4,189

citations

32

h-index

64

g-index

71

ext. papers

5,061

ext. citations

10

avg, IF

4.81

L-index

#	Paper	IF	Citations
68	HSP72 protects against obesity-induced insulin resistance. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008 , 105, 1739-44	11.5	397
67	Distinct patterns of tissue-specific lipid accumulation during the induction of insulin resistance in mice by high-fat feeding. <i>Diabetologia</i> , 2013 , 56, 1638-48	10.3	284
66	High-density lipoprotein modulates glucose metabolism in patients with type 2 diabetes mellitus. <i>Circulation</i> , 2009 , 119, 2103-11	16.7	281
65	The transcription factor IRF4 is essential for TCR affinity-mediated metabolic programming and clonal expansion of T cells. <i>Nature Immunology</i> , 2013 , 14, 1155-65	19.1	256
64	Interleukin-6-deficient mice develop hepatic inflammation and systemic insulin resistance. <i>Diabetologia</i> , 2010 , 53, 2431-41	10.3	241
63	Impaired oxidative metabolism and inflammation are associated with insulin resistance in ERalpha-deficient mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2010 , 298, E304-19	6.9	212
62	Hsp72 preserves muscle function and slows progression of severe muscular dystrophy. <i>Nature</i> , 2012 , 484, 394-8	50.4	196
61	Ceramides contained in LDL are elevated in type 2 diabetes and promote inflammation and skeletal muscle insulin resistance. <i>Diabetes</i> , 2013 , 62, 401-10	0.9	181
60	Blocking IL-6 trans-signaling prevents high-fat diet-induced adipose tissue macrophage recruitment but does not improve insulin resistance. <i>Cell Metabolism</i> , 2015 , 21, 403-16	24.6	155
59	Adipocyte Ceramides Regulate Subcutaneous Adipose Browning, Inflammation, and Metabolism. <i>Cell Metabolism</i> , 2016 , 24, 820-834	24.6	130
58	Myeloid-specific estrogen receptor alpha deficiency impairs metabolic homeostasis and accelerates atherosclerotic lesion development. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 16457-62	11.5	125
57	Activating HSP72 in rodent skeletal muscle increases mitochondrial number and oxidative capacity and decreases insulin resistance. <i>Diabetes</i> , 2014 , 63, 1881-94	0.9	122
56	Increased glucose metabolic activity is associated with CD4+ T-cell activation and depletion during chronic HIV infection. <i>Aids</i> , 2014 , 28, 297-309	3.5	106
55	Male-lineage transmission of an acquired metabolic phenotype induced by grand-paternal obesity. <i>Molecular Metabolism</i> , 2016 , 5, 699-708	8.8	104
54	HSP72 is a mitochondrial stress sensor critical for Parkin action, oxidative metabolism, and insulin sensitivity in skeletal muscle. <i>Diabetes</i> , 2014 , 63, 1488-505	0.9	85
53	Sex-specific adipose tissue imprinting of regulatory T cells. <i>Nature</i> , 2020 , 579, 581-585	50.4	72
52	Enhanced phosphoinositide 3-kinase(p110) activity prevents diabetes-induced cardiomyopathy and superoxide generation in a mouse model of diabetes. <i>Diabetologia</i> , 2012 , 55, 3369-81	10.3	66

51	Fructose stimulated de novo lipogenesis is promoted by inflammation. <i>Nature Metabolism</i> , 2020 , 2, 1034-1045	10.5	65
50	Chaperoning to the metabolic party: The emerging therapeutic role of heat-shock proteins in obesity and type 2 diabetes. <i>Molecular Metabolism</i> , 2014 , 3, 781-93	8.8	64
49	Maternal obesity and diabetes induces latent metabolic defects and widespread epigenetic changes in isogenic mice. <i>Epigenetics</i> , 2013 , 8, 602-11	5.7	62
48	The small-molecule BGP-15 protects against heart failure and atrial fibrillation in mice. <i>Nature Communications</i> , 2014 , 5, 5705	17.4	61
47	Disruption of the Class IIa HDAC Corepressor Complex Increases Energy Expenditure and Lipid Oxidation. <i>Cell Reports</i> , 2016 , 16, 2802-2810	10.6	48
46	p32 protein levels are integral to mitochondrial and endoplasmic reticulum morphology, cell metabolism and survival. <i>Biochemical Journal</i> , 2013 , 453, 381-91	3.8	44
45	The sphingosine-1-phosphate analog FTY720 reduces muscle ceramide content and improves glucose tolerance in high fat-fed male mice. <i>Endocrinology</i> , 2013 , 154, 65-76	4.8	43
44	Nanoporous Metal-Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. <i>Advanced Healthcare Materials</i> , 2015 , 4, 2170-2175	10.1	42
43	Metabolically active CD4+ T cells expressing Glut1 and OX40 preferentially harbor HIV during in vitro infection. <i>FEBS Letters</i> , 2017 , 591, 3319-3332	3.8	41
42	Skeletal muscle-specific overproduction of constitutively activated c-Jun N-terminal kinase (JNK) induces insulin resistance in mice. <i>Diabetologia</i> , 2012 , 55, 2769-2778	10.3	39
41	Heat shock proteins and exercise adaptations. Our knowledge thus far and the road still ahead. <i>Journal of Applied Physiology</i> , 2016 , 120, 683-91	3.7	38
40	Analysis of the liver lipidome reveals insights into the protective effect of exercise on high-fat diet-induced hepatosteatosis in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2015 , 308, E778-91	6	37
39	High-density lipoprotein delivered after myocardial infarction increases cardiac glucose uptake and function in mice. <i>Science Translational Medicine</i> , 2017 , 9,	17.5	35
38	14-3-3 β regulates the mitochondrial respiratory reserve linked to platelet phosphatidylserine exposure and procoagulant function. <i>Nature Communications</i> , 2016 , 7, 12862	17.4	34
37	Deficiency in Apoptosis-Inducing Factor Recapitulates Chronic Kidney Disease via Aberrant Mitochondrial Homeostasis. <i>Diabetes</i> , 2016 , 65, 1085-98	0.9	34
36	ABCA1 expression in humans is associated with physical activity and alcohol consumption. <i>Atherosclerosis</i> , 2008 , 197, 197-203	3.1	32
35	Deficiency in mitochondrial complex I activity due to Ndufs6 gene trap insertion induces renal disease. <i>Antioxidants and Redox Signaling</i> , 2013 , 19, 331-43	8.4	31
34	Treatment of type 2 diabetes with the designer cytokine IC7Fc. <i>Nature</i> , 2019 , 574, 63-68	50.4	30

33	c-Jun NH2-terminal kinase activity in subcutaneous adipose tissue but not nuclear factor-kappaB activity in peripheral blood mononuclear cells is an independent determinant of insulin resistance in healthy individuals. <i>Diabetes</i> , 2009 , 58, 1259-65	0.9	30
32	Protein Kinase C Epsilon Deletion in Adipose Tissue, but Not in Liver, Improves Glucose Tolerance. <i>Cell Metabolism</i> , 2019 , 29, 183-191.e7	24.6	30
31	Emerging Role and Characterization of Immunometabolism: Relevance to HIV Pathogenesis, Serious Non-AIDS Events, and a Cure. <i>Journal of Immunology</i> , 2016 , 196, 4437-44	5.3	26
30	Effects of the nitric oxide donor, sodium nitroprusside, on resting leg glucose uptake in patients with type 2 diabetes. <i>Diabetologia</i> , 2005 , 48, 2602-8	10.3	24
29	The relationship between heat shock protein 72 expression in skeletal muscle and insulin sensitivity is dependent on adiposity. <i>Metabolism: Clinical and Experimental</i> , 2010 , 59, 1556-61	12.7	21
28	Delineating a role for the mitochondrial permeability transition pore in diabetic kidney disease by targeting cyclophilin D. <i>Clinical Science</i> , 2020 , 134, 239-259	6.5	20
27	Complement C5a Induces Renal Injury in Diabetic Kidney Disease by Disrupting Mitochondrial Metabolic Agility. <i>Diabetes</i> , 2020 , 69, 83-98	0.9	20
26	Respiratory syncytial virus co-opts host mitochondrial function to favour infectious virus production. <i>ELife</i> , 2019 , 8,	8.9	19
25	The effect of the nitric oxide donor sodium nitroprusside on glucose uptake in human primary skeletal muscle cells. <i>Nitric Oxide - Biology and Chemistry</i> , 2009 , 21, 126-31	5	16
24	High Fat Diet Inhibits Dendritic Cell and T Cell Response to Allergens but Does Not Impair Inhalational Respiratory Tolerance. <i>PLoS ONE</i> , 2016 , 11, e0160407	3.7	15
23	Glucose-6-phosphate dehydrogenase contributes to the regulation of glucose uptake in skeletal muscle. <i>Molecular Metabolism</i> , 2016 , 5, 1083-1091	8.8	15
22	Distinct lipidomic profiles in models of physiological and pathological cardiac remodeling, and potential therapeutic strategies. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2018 , 1863, 219-234	5	14
21	Scriptaid enhances skeletal muscle insulin action and cardiac function in obese mice. <i>Diabetes, Obesity and Metabolism</i> , 2017 , 19, 936-943	6.7	13
20	Skeletal muscle-specific overexpression of heat shock protein 72 improves skeletal muscle insulin-stimulated glucose uptake but does not alter whole body metabolism. <i>Diabetes, Obesity and Metabolism</i> , 2018 , 20, 1928-1936	6.7	13
19	In vitro palmitate treatment of myotubes from postmenopausal women leads to ceramide accumulation, inflammation and affected insulin signaling. <i>PLoS ONE</i> , 2014 , 9, e101555	3.7	12
18	Fine-tuning the cardiac O-GlcNAcylation regulatory enzymes governs the functional and structural phenotype of the diabetic heart. <i>Cardiovascular Research</i> , 2021 ,	9.9	11
17	Muscle-specific overexpression of AdipoR1 or AdipoR2 gives rise to common and discrete local effects whilst AdipoR2 promotes additional systemic effects. <i>Scientific Reports</i> , 2017 , 7, 41792	4.9	10
16	Metabolic control and sex: A focus on inflammatory-linked mediators. <i>British Journal of Pharmacology</i> , 2019 , 176, 4193-4207	8.6	10

15	Body Composition and Metabolic Caging Analysis in High Fat Fed Mice. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	10
14	Fecal microbiota transplantation from high caloric-fed donors alters glucose metabolism in recipient mice, independently of adiposity or exercise status. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2020 , 319, E203-E216	6	9
13	Genetic manipulation of cardiac Hsp72 levels does not alter substrate metabolism but reveals insights into high-fat feeding-induced cardiac insulin resistance. <i>Cell Stress and Chaperones</i> , 2015 , 20, 461-72	4	8
12	The Zinc Transporter Zip7 Is Downregulated in Skeletal Muscle of Insulin-Resistant Cells and in Mice Fed a High-Fat Diet. <i>Cells</i> , 2019 , 8,	7.9	8
11	Oral nitrate therapy does not affect glucose metabolism in healthy men. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 1086-92	3	8
10	CORP: Practical tools for improving experimental design and reporting of laboratory studies of cardiovascular physiology and metabolism. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019 , 317, H627-H639	5.2	6
9	Adiponectin sparks an interest in calcium. <i>Cell Metabolism</i> , 2010 , 11, 447-9	24.6	6
8	The E3 ligase MARCH5 is a PPAR α target gene that regulates mitochondria and metabolism in adipocytes. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2019 , 316, E293-E304	6	5
7	Serine administration as a novel prophylactic approach to reduce the severity of acute pancreatitis during diabetes in mice. <i>Diabetologia</i> , 2020 , 63, 1885-1899	10.3	3
6	Intravascular Follistatin gene delivery improves glycemic control in a mouse model of type 2 diabetes. <i>FASEB Journal</i> , 2020 , 34, 5697-5714	0.9	3
5	Yap regulates skeletal muscle fatty acid oxidation and adiposity in metabolic disease. <i>Nature Communications</i> , 2021 , 12, 2887	17.4	3
4	Deletion of Trim28 in committed adipocytes promotes obesity but preserves glucose tolerance. <i>Nature Communications</i> , 2021 , 12, 74	17.4	3
3	Characterization of the circulating and tissue-specific alterations to the lipidome in response to moderate and major cold stress in mice. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021 , 320, R95-R104	3.2	2
2	Single or combined ablation of peripheral serotonin and p21 limit adipose tissue expansion and metabolic alterations in early adulthood in mice fed a normocaloric diet. <i>PLoS ONE</i> , 2021 , 16, e0255687	3.7	1
1	Tissue-specific expression of Cas9 has no impact on whole-body metabolism in four transgenic mouse lines. <i>Molecular Metabolism</i> , 2021 , 53, 101292	8.8	1