Darren C Henstridge

List of Publications by Year
in descending order

68	5,697	94415 37	88628 70
papers	citations	h-index	g-index

71	71	71	9902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	HSP72 protects against obesity-induced insulin resistance. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 1739-1744.	7.1	477
2	High-Density Lipoprotein Modulates Glucose Metabolism in Patients With Type 2 Diabetes Mellitus. Circulation, 2009, 119, 2103-2111.	1.6	363
3	Distinct patterns of tissue-specific lipid accumulation during the induction of insulin resistance in mice by high-fat feeding. Diabetologia, 2013, 56, 1638-1648.	6.3	339
4	The transcription factor IRF4 is essential for TCR affinityâ€“mediated metabolic programming and clonal expansion of T cells. Nature Immunology, 2013, 14, 1155-1165.	14.5	337
5	Interleukin-6-deficient mice develop hepatic inflammation and systemic insulin resistance. Diabetologia, 2010, 53, 2431-2441.	6.3	283
6	Impaired oxidative metabolism and inflammation are associated with insulin resistance in ERÎ±-deficient mice. American Journal of Physiology - Endocrinology and Metabolism, 2010, 298, E304-E319.	3.5	250
7	Hsp72 preserves muscle function and slows progression of severe muscular dystrophy. Nature, 2012, 484, 394-398.	27.8	243
8	Ceramides Contained in LDL Are Elevated in Type 2 Diabetes and Promote Inflammation and Skeletal Muscle Insulin Resistance. Diabetes, 2013, 62, 401-410.	0.6	240
9	Blocking IL-6 trans-Signaling Prevents High-Fat Diet-Induced Adipose Tissue Macrophage Recruitment but Does Not Improve Insulin Resistance. Cell Metabolism, 2015, 21, 403-416.	16.2	208
10	Adipocyte Ceramides Regulate Subcutaneous Adipose Browning, Inflammation, and Metabolism. Cell Metabolism, 2016, 24, 820-834.	16.2	186
11	Fructose stimulated de novo lipogenesis is promoted by inflammation. Nature Metabolism, 2020, 2, 1034-1045.	11.9	174
12	Male-lineage transmission of an acquired metabolic phenotype induced by grand-paternal obesity. Molecular Metabolism, 2016, 5, 699-708.	6.5	154
13	Activating HSP72 in Rodent Skeletal Muscle Increases Mitochondrial Number and Oxidative Capacity and Decreases Insulin Resistance. Diabetes, 2014, 63, 1881-1894.	0.6	153
14	Myeloid-specific estrogen receptor Î± deficiency impairs metabolic homeostasis and accelerates atherosclerotic lesion development. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 16457-16462.	7.1	147
15	Increased glucose metabolic activity is associated with CD4+ T-cell activation and depletion during chronic HIV infection. Aids, 2014, 28, 297-309.	2.2	141
16	Sex-specific adipose tissue imprinting of regulatory T cells. Nature, 2020, 579, 581-585.	27.8	141
17	HSP72 Is a Mitochondrial Stress Sensor Critical for Parkin Action, Oxidative Metabolism, and Insulin Sensitivity in Skeletal Muscle. Diabetes, 2014, 63, 1488-1505.	0.6	108
18	Enhanced phosphoinositide 3-kinase(p110Î±) activity prevents diabetes-induced cardiomyopathy and superoxide generation in a mouse model of diabetes. Diabetologia, 2012, 55, 3369-3381.	6.3	88

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19	Chaperoning to the metabolic party: The emerging therapeutic role of heat-shock proteins in obesity and type 2 diabetes. Molecular Metabolism, 2014, 3, 781-793.	6.5	87
20	The small-molecule BGP-15 protects against heart failure and atrial fibrillation in mice. Nature Communications, 2014, 5, 5705.	12.8	86
21	Maternal obesity and diabetes induces latent metabolic defects and widespread epigenetic changes in isogenic mice. Epigenetics, 2013, 8, 602-611.	2.7	75
22	Disruption of the Class IIa HDAC Corepressor Complex Increases Energy Expenditure and Lipid Oxidation. Cell Reports, 2016, 16, 2802-2810.	6.4	68
23	Heat shock proteins and exercise adaptations. Our knowledge thus far and the road still ahead. Journal of Applied Physiology, 2016, 120, 683-691.	2.5	62
24	p32 protein levels are integral to mitochondrial and endoplasmic reticulum morphology, cell metabolism and survival. Biochemical Journal, 2013, 453, 381-391.	3.7	61
25	Nanoporous Metalâ€“Phenolic Particles as Ultrasound Imaging Probes for Hydrogen Peroxide. Advanced Healthcare Materials, 2015, 4, 2170-2175.	7.6	57
26	Metabolically active CD4+ T cells expressing Glut1 and OX40 preferentially harbor HIV during inÂvitro infection. FEBS Letters, 2017, 591, 3319-3332.	2.8	56
27	Treatment of type 2 diabetes with the designer cytokine IC7Fc. Nature, 2019, 574, 63-68.	27.8	55
28	Skeletal muscle-specific overproduction of constitutively activated c-Jun N-terminal kinase (JNK) induces insulin resistance in mice. Diabetologia, 2012, 55, 2769-2778.	6.3	49
29	14-3-3Î¶ regulates the mitochondrial respiratory reserve linked to platelet phosphatidylserine exposure and procoagulant function. Nature Communications, 2016, 7, 12862.	12.8	49
30	Deficiency in Mitochondrial Complex I Activity Due toNdufs6Gene Trap Insertion Induces Renal Disease. Antioxidants and Redox Signaling, 2013, 19, 331-343.	5.4	48
31	The Sphingosine-1-Phosphate Analog FTY720 Reduces Muscle Ceramide Content and Improves Glucose Tolerance in High Fat-Fed Male Mice. Endocrinology, 2013, 154, 65-76.	2.8	48
32	Complement C5a Induces Renal Injury in Diabetic Kidney Disease by Disrupting Mitochondrial Metabolic Agility. Diabetes, 2020, 69, 83-98.	0.6	48
33	Deficiency in Apoptosis-Inducing Factor Recapitulates Chronic Kidney Disease via Aberrant Mitochondrial Homeostasis. Diabetes, 2016, 65, 1085-1098.	0.6	47
34	Fine-tuning the cardiac O-GlcNAcylation regulatory enzymes governs the functional and structural phenotype of the diabetic heart. Cardiovascular Research, 2022, 118, 212-225.	3.8	47
35	Respiratory syncytial virus co-opts host mitochondrial function to favour infectious virus production. ELife, 2019, 8, .	6.0	47
36	Analysis of the liver lipidome reveals insights into the protective effect of exercise on high-fat diet-induced hepatosteatosis in mice. American Journal of Physiology - Endocrinology and Metabolism, 2015, 308, E778-E791.	3.5	43

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37	High-density lipoprotein delivered after myocardial infarction increases cardiac glucose uptake and function in mice. Science Translational Medicine, 2017, 9, .	12.4	43
38	Protein Kinase C Epsilon Deletion in Adipose Tissue, but Not in Liver, Improves Glucose Tolerance. Cell Metabolism, 2019, 29, 183-191.e7.	16.2	42
39	Emerging Role and Characterization of Immunometabolism: Relevance to HIV Pathogenesis, Serious Non-AIDS Events, and a Cure. Journal of Immunology, 2016, 196, 4437-4444.	0.8	39
40	ABCA1 expression in humans is associated with physical activity and alcohol consumption. Atherosclerosis, 2008, 197, 197-203.	0.8	37
41	c-Jun NH2-Terminal Kinase Activity in Subcutaneous Adipose Tissue but Not Nuclear Factor-Î²B Activity in Peripheral Blood Mononuclear Cells Is an Independent Determinant of Insulin Resistance in Healthy Individuals. Diabetes, 2009, 58, 1259-1265.	0.6	34
42	Effects of the nitric oxide donor, sodium nitroprusside, on resting leg glucose uptake in patients with type 2 diabetes. Diabetologia, 2005, 48, 2602-2608.	6.3	29
43	The relationship between heat shock protein 72 expression in skeletal muscle and insulin sensitivity is dependent on adiposity. Metabolism: Clinical and Experimental, 2010, 59, 1556-1561.	3.4	27
44	Delineating a role for the mitochondrial permeability transition pore in diabetic kidney disease by targeting cyclophilin D. Clinical Science, 2020, 134, 239-259.	4.3	27
45	Metabolic control and sex: A focus on inflammatoryâ€linked mediators. British Journal of Pharmacology, 2019, 176, 4193-4207.	5.4	25
46	Fecal microbiota transplantation from high caloric-fed donors alters glucose metabolism in recipient mice, independently of adiposity or exercise status. American Journal of Physiology - Endocrinology and Metabolism, 2020, 319, E203-E216.	3.5	24
47	High Fat Diet Inhibits Dendritic Cell and T Cell Response to Allergens but Does Not Impair Inhalational Respiratory Tolerance. PLoS ONE, 2016, 11, e0160407.	2.5	22
48	Distinct lipidomic profiles in models of physiological and pathological cardiac remodeling, and potential therapeutic strategies. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2018, 1863, 219-234.	2.4	21
49	The effect of the nitric oxide donor sodium nitroprusside on glucose uptake in human primary skeletal muscle cells. Nitric Oxide - Biology and Chemistry, 2009, 21, 126-131.	2.7	19
50	Glucose-6-phosphate dehydrogenase contributes to the regulation of glucose uptake in skeletal muscle. Molecular Metabolism, 2016, 5, 1083-1091.	6.5	19
51	The E3 ligase MARCH5 is a PPARÎ³ target gene that regulates mitochondria and metabolism in adipocytes. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E293-E304.	3.5	19
52	Scriptaid enhances skeletal muscle insulin action and cardiac function in obese mice. Diabetes, Obesity and Metabolism, 2017, 19, 936-943.	4.4	18
53	Skeletal muscleâ€specific overexpression of heat shock protein 72 improves skeletal muscle insulinâ€stimulated glucose uptake but does not alter whole body metabolism. Diabetes, Obesity and Metabolism, 2018, 20, 1928-1936.	4.4	18
54	Body Composition and Metabolic Caging Analysis in High Fat Fed Mice. Journal of Visualized Experiments, 2018, , .	0.3	18

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55	Yap regulates skeletal muscle fatty acid oxidation and adiposity in metabolic disease. Nature Communications, 2021, 12, 2887.	12.8	18
56	Deletion of Trim28 in committed adipocytes promotes obesity but preserves glucose tolerance. Nature Communications, 2021, 12, 74.	12.8	16
57	Serine administration as a novel prophylactic approach to reduce the severity of acute pancreatitis during diabetes in mice. Diabetologia, 2020, 63, 1885-1899.	6.3	14
58	In Vitro Palmitate Treatment of Myotubes from Postmenopausal Women Leads to Ceramide Accumulation, Inflammation and Affected Insulin Signaling. PLoS ONE, 2014, 9, e101555.	2.5	13
59	Muscle-specific overexpression of AdipoR1 or AdipoR2 gives rise to common and discrete local effects whilst AdipoR2 promotes additional systemic effects. Scientific Reports, 2017, 7, 41792.	3.3	13
60	The Zinc Transporter Zip7 Is Downregulated in Skeletal Muscle of Insulin-Resistant Cells and in Mice Fed a High-Fat Diet. Cells, 2019, 8, 663.	4.1	12
61	CORP: Practical tools for improving experimental design and reporting of laboratory studies of cardiovascular physiology and metabolism. American Journal of Physiology - Heart and Circulatory Physiology, 2019, 317, H627-H639.	3.2	10
62	Intravascular Follistatin gene delivery improves glycemic control in a mouse model of type 2 diabetes. FASEB Journal, 2020, 34, 5697-5714.	0.5	10
63	Oral nitrate therapy does not affect glucose metabolism in healthy men. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 1086-1092.	1.9	9
64	Genetic manipulation of cardiac Hsp72 levels does not alter substrate metabolism but reveals insights into high-fat feeding-induced cardiac insulin resistance. Cell Stress and Chaperones, 2015, 20, 461-472.	2.9	9
65	Adiponectin Sparks an Interest in Calcium. Cell Metabolism, 2010, 11, 447-449.	16.2	8
66	Characterization of the circulating and tissue-specific alterations to the lipidome in response to moderate and major cold stress in mice. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2021, 320, R95-R104.	1.8	8
67	Tissue-specific expression of Cas9 has no impact on whole-body metabolism in four transgenic mouse lines. Molecular Metabolism, 2021, 53, 101292.	6.5	5
68	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. PLoS ONE, 2021, 16, e0255687.	2.5	3