Minna Woo

List of Publications by Year in descending order

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55 papers	2,032 citations	331670 21 h-index	254184 43 g-index
56 all docs	56 docs citations	56 times ranked	3882 citing authors

#	Article	IF	Citations
1	Regulation of Obesity-Related Insulin Resistance with Gut Anti-inflammatory Agents. Cell Metabolism, 2015, 21, 527-542.	16.2	283
2	JAK/STAT â€“ Emerging Players in Metabolism. Trends in Endocrinology and Metabolism, 2018, 29, 55-65.	7.1	198
3	Insulin Receptor-Mediated Stimulation Boosts T Cell Immunity during Inflammation and Infection. Cell Metabolism, 2018, 28, 922-934.e4.	16.2	188
4	Erythropoietin protects against diabetes through direct effects on pancreatic Î² cells. Journal of Experimental Medicine, 2010, 207, 2831-2842.	8.5	119
5	Nucleic Acid-Targeting Pathways Promote Inflammation in Obesity-Related Insulin Resistance. Cell Reports, 2016, 16, 717-730.	6.4	77
6	DJ-1 links muscle ROS production with metabolic reprogramming and systemic energy homeostasis in mice. Nature Communications, 2015, 6, 7415.	12.8	74
7	Gene targeting in the analysis of mammalian apoptosis and TNF receptor superfamily signaling. Immunological Reviews, 1999, 169, 283-302.	6.0	70
8	In Vivo Role of Focal Adhesion Kinase in Regulating Pancreatic Î²-Cell Mass and Function Through Insulin Signaling, Actin Dynamics, and Granule Trafficking. Diabetes, 2012, 61, 1708-1718.	0.6	62
9	Dietary Curcumin Intervention Targets Mouse White Adipose Tissue Inflammation and Brown Adipose Tissue UCP1 Expression. Obesity, 2018, 26, 547-558.	3.0	62
10	Pten deletion in RIP-Cre neurons protects against type 2 diabetes by activating the anti-inflammatory reflex. Nature Medicine, 2014, 20, 484-492.	30.7	60
11	Deletion of Pten in Pancreatic Î²-Cells Protects Against Deficient Î²-Cell Mass and Function in Mouse Models of Type 2 Diabetes. Diabetes, 2010, 59, 3117-3126.	0.6	59
12	Hepatocyte-specific Deletion of Janus Kinase 2 (JAK2) Protects against Diet-induced Steatohepatitis and Glucose Intolerance. Journal of Biological Chemistry, 2012, 287, 10277-10288.	3.4	58
13	Adipocyte-specific deficiency of Janus kinase (JAK) 2 in mice impairs lipolysis and increases body weight, and leads to insulin resistance with ageing. Diabetologia, 2014, 57, 1016-1026.	6.3	54
14	Perforin Is a Novel Immune Regulator of Obesity-Related Insulin Resistance. Diabetes, 2015, 64, 90-103.	0.6	54
15	FAK signalling controls insulin sensitivity through regulation of adipocyte survival. Nature Communications, 2017, 8, 14360.	12.8	50
16	ULK1 prevents cardiac dysfunction in obesity through autophagy-meditated regulation of lipid metabolism. Cardiovascular Research, 2017, 113, 1137-1147.	3.8	44
17	Executionary pathway for apoptosis: lessons from mutant mice. Cell Research, 2000, 10, 267-278.	12.0	41
18	JAK2 promotes brown adipose tissue function and is required for diet- and cold-induced thermogenesis in mice. Diabetologia, 2016, 59, 187-196.	6.3	41

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19	Macrophage JAK2 deficiency protects against high-fat diet-induced inflammation. Scientific Reports, 2017, 7, 7653.	3.3	41
20	Extracellular matrix-derived extracellular vesicles promote cardiomyocyte growth and electrical activity in engineered cardiac atria. Biomaterials, 2017, 146, 49-59.	11.4	40
21	The role of caspase-8 in amyloid-induced beta cell death in human and mouse islets. Diabetologia, 2014, 57, 765-775.	6.3	28
22	Pancreatic Î² cells: Gatekeepers of type 2 diabetes. Journal of Cell Biology, 2019, 218, 1094-1095.	5.2	22
23	Janus Kinase 2 Regulates Transcription Factor EB Expression and Autophagy Completion in Glomerular Podocytes. Journal of the American Society of Nephrology: JASN, 2017, 28, 2641-2653.	6.1	21
24	Deletion of Fas in the pancreatic Î²-cells leads to enhanced insulin secretion. American Journal of Physiology - Endocrinology and Metabolism, 2009, 297, E1304-E1312.	3.5	19
25	Janus Kinase 2 (JAK2) Dissociates Hepatosteatosis from Hepatocellular Carcinoma in Mice. Journal of Biological Chemistry, 2017, 292, 3789-3799.	3.4	19
26	Metabolic Role of PTEN in Insulin Signaling and Resistance. Cold Spring Harbor Perspectives in Medicine, 2020, 10, a036137.	6.2	19
27	In Vivo Knockdown of Adipocyte Erythropoietin Receptor Does Not Alter Glucose or Energy Homeostasis. Endocrinology, 2013, 154, 3652-3659.	2.8	18
28	Retinoblastoma tumor suppressor protein in pancreatic progenitors controls Î±- and Î²-cell fate. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14723-14728.	7.1	17
29	PTEN Deletion in Pancreatic Î±-Cells Protects Against High-Fat Dietâ€“Induced Hyperglucagonemia and Insulin Resistance. Diabetes, 2015, 64, 147-157.	0.6	17
30	Metabolic Consequences of Solid Organ Transplantation. Endocrine Reviews, 2021, 42, 171-197.	20.1	16
31	Hepatic JAK2 protects against atherosclerosis through circulating IGF-1. JCI Insight, 2017, 2, .	5.0	14
32	Heterogeneity of Diabetes: Î²-Cells, Phenotypes, and Precision Medicine: Proceedings of an International Symposium of the Canadian Institutes of Health Researchâ€™s Institute of Nutrition, Metabolism and Diabetes and the U.S. National Institutes of Healthâ€™s National Institute of Diabetes and Digestive and Kidney Diseases. Diabetes Care, 2022, 45, 3-22.	8.6	14
33	Beyond Erythropoiesis: Emerging Metabolic Roles of Erythropoietin. Diabetes, 2014, 63, 2229-2231.	0.6	13
34	SIRT1 activation attenuates Î± cell hyperplasia, hyperglucagonaemia and hyperglycaemia in STZ-diabetic mice. Scientific Reports, 2018, 8, 13972.	3.3	13
35	Hypophosphorylated pRb knockâ€in mice exhibit hallmarks of aging and vitamin Câ€preventable diabetes. EMBO Journal, 2022, 41, e106825.	7.8	13
36	PTEN Deletion and Concomitant c-Myc Activation Do Not Lead to Tumor Formation in Pancreatic Î² Cells. Journal of Biological Chemistry, 2009, 284, 2917-2922.	3.4	12

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37	Rb and p107 are required for alpha cell survival, beta cell cycle control and glucagon-like peptide-1 action. Diabetologia, 2014, 57, 2555-2565.	6.3	10
38	Discoidin domain receptor 1-deletion ameliorates fibrosis and promotes adipose tissue beiging, brown fat activity, and increased metabolic rate in a mouse model of cardiometabolic disease. Molecular Metabolism, 2020, 39, 101006.	6.5	10
39	Metabolic Complications in Liver Transplantation Recipients: How We Can Optimize Longâ€Term Survival. Liver Transplantation, 2021, 27, 1468-1478.	2.4	10
40	Involvement of the STAT5-cyclin D/CDK4-pRb pathway in Î²-cell proliferation stimulated by prolactin during pregnancy. American Journal of Physiology - Endocrinology and Metabolism, 2019, 316, E135-E144.	3.5	8
41	Heterogeneity of Diabetes: Î²-Cells, Phenotypes, and Precision Medicine: Proceedings of an International Symposium of the Canadian Institutes of Health Researchâ€™s Institute of Nutrition, Metabolism and Diabetes and the U.S. National Institutes of Healthâ€™s National Institute of Diabetes and Digestive and Kidney Diseases. Diabetes, 2022, 71, 1-22.	0.6	8
42	Distinct roles of UVRAG and EGFR signaling in skeletal muscle homeostasis. Molecular Metabolism, 2021, 47, 101185.	6.5	6
43	The role of mitochondrial apoptotic pathway in islet amyloid-induced Î²-cell death. Molecular and Cellular Endocrinology, 2021, 537, 111424.	3.2	5
44	The redundant role of JAK2 in regulating pancreatic Î²-cell mass. Islets, 2011, 3, 389-392.	1.8	4
45	Macrophage Jak2 deficiency accelerates atherosclerosis through defects in cholesterol efflux. Communications Biology, 2022, 5, 132.	4.4	4
46	Erythropoietin and glucose homeostasis in women at varying degrees of future diabetic risk. Journal of Diabetes and Its Complications, 2015, 29, 26-31.	2.3	3
47	Insulin sensitization causes accelerated sinus nodal dysfunction through autophagic dysregulation in hypertensive mice. Translational and Clinical Pharmacology, 2021, 29, 92.	0.9	3
48	JAK2-IGF1 axis in osteoclasts regulates postnatal growth in mice. JCI Insight, 2021, 6, .	5.0	3
49	Dj1 deficiency protects against atherosclerosis with anti-inflammatory response in macrophages. Scientific Reports, 2021, 11, 4723.	3.3	2
50	Hepatic Igf1-Deficiency Protects Against Atherosclerosis in Female Mice. Endocrinology, 2021, 162, .	2.8	2
51	Heterogeneity of Diabetes: Î²-Cells, Phenotypes, and Precision Medicine: Proceedings of an International Symposium of the Canadian Institutes of Health Researchâ€™s Institute of Nutrition, Metabolism and Diabetes and the U.S. National Institutes of Healthâ€™s National Institute of Diabetes and Digestive and Kidney Diseases. Canadian Journal of Diabetes, 2021, 45, 697-713.	0.8	2
52	Motion microscopy for label-free detection of circulating breast tumor cells. Biosensors and Bioelectronics, 2020, 158, 112131.	10.1	1
53	Feasibility of a Home-Based Exercise Program for Managing Posttransplant Metabolic Syndrome in Lung and Liver Transplant Recipients: Protocol for a Pilot Randomized Controlled Trial. JMIR Research Protocols, 2022, 11, e35700.	1.0	1
54	Timing is everything: Rbâ€™s choice in islet-cell fate. Cell Cycle, 2014, 13, 873-874.	2.6	0

#	Article	IF	Citations
55	Reduction in New-Onset Diabetes Mellitus after Renal Transplant with Erythropoietin-Stimulating Agents: A Retrospective Cohort Study. Canadian Journal of Kidney Health and Disease, 2016, 3, 114.	1.1	0