

Carmen P Álvarez

List of Publications by Year in descending order

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Version: 2024-02-01

38
papers

929
citations

471371

17
h-index

454834

30
g-index

39
all docs

39
docs citations

39
times ranked

1569
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of age and moderate food restriction on insulin sensitivity in Wistar rats: role of adiposity. <i>Journal of Endocrinology</i> , 2007, 194, 131-141.	1.2	114
2	Microbial phenolic metabolites improve glucose-stimulated insulin secretion and protect pancreatic beta cells against tert-butyl hydroperoxide-induced toxicity via ERKs and PKC pathways. <i>Food and Chemical Toxicology</i> , 2014, 66, 245-253.	1.8	73
3	Defective IGF2 and IGF1R protein production in embryonic pancreas precedes beta cell mass anomaly in the Goto-Kakizaki rat model of type 2 diabetes. <i>Diabetologia</i> , 2007, 50, 1463-1471.	2.9	65
4	Cocoa-rich diet attenuates beta cell mass loss and function in young Zucker diabetic fatty rats by preventing oxidative stress and beta cell apoptosis. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 820-824.	1.5	57
5	Resveratrol treatment restores peripheral insulin sensitivity in diabetic mice in a sirt1-independent manner. <i>Molecular Nutrition and Food Research</i> , 2015, 59, 1431-1442.	1.5	53
6	Fetal Insulin-Like Growth Factor-2 Production Is Impaired in the GK Rat Model of Type 2 Diabetes. <i>Diabetes</i> , 2002, 51, 392-397.	0.3	48
7	Cocoa-rich diet ameliorates hepatic insulin resistance by modulating insulin signaling and glucose homeostasis in Zucker diabetic fatty rats. <i>Journal of Nutritional Biochemistry</i> , 2015, 26, 704-712.	1.9	48
8	Cocoa diet modulates gut microbiota composition and improves intestinal health in Zucker diabetic rats. <i>Food Research International</i> , 2020, 132, 109058.	2.9	43
9	Type 2 diabetes – a matter of failing β cell neogenesis? Clues from the GK rat model. <i>Diabetes, Obesity and Metabolism</i> , 2007, 9, 187-195.	2.2	41
10	Changes in insulin action and insulin secretion in the rat after dietary restriction early in life: Influence of food restriction versus low-protein food restriction. <i>Metabolism: Clinical and Experimental</i> , 1995, 44, 1519-1526.	1.5	37
11	Maternal Food Restriction Enhances Insulin-Induced GLUT-4 Translocation and Insulin Signaling Pathway in Skeletal Muscle from Suckling Rats. <i>Endocrinology</i> , 2005, 146, 3368-3378.	1.4	28
12	Protein-Caloric Food Restriction Affects Insulin-Like Growth Factor System in Fetal Wistar Rat. <i>Endocrinology</i> , 2005, 146, 1364-1371.	1.4	24
13	Effect of thyroxine administration on the IGF/IGF binding protein system in neonatal and adult thyroidectomized rats. <i>Journal of Endocrinology</i> , 2001, 169, 111-122.	1.2	22
14	Glucose uptake and glucose transporter proteins in skeletal muscle from undernourished rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2001, 281, E1101-E1109.	1.8	20
15	Effects of Chronic Undernutrition on Glucose Uptake and Glucose Transporter Proteins in Rat Heart. <i>Endocrinology</i> , 2002, 143, 4295-4303.	1.4	20
16	Protein calorie restriction has opposite effects on glucose metabolism and insulin gene expression in fetal and adult rat endocrine pancreas. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E542-E550.	1.8	19
17	Cocoa and cocoa flavanol epicatechin improve hepatic lipid metabolism in in vivo and in vitro models. Role of PKC η . <i>Journal of Functional Foods</i> , 2015, 17, 761-773.	1.6	18
18	Insulin receptor isoform A ameliorates long term glucose intolerance in diabetic mice. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 1271-1281.	1.2	18

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19	Predominant Role of GIP in the Development of a Metabolic Syndrome-like Phenotype in Female Wistar Rats Submitted to Forced Catch-up Growth. <i>Endocrinology</i> , 2014, 155, 3769-3780.	1.4	17
20	Increased IRS-2 content and activation of IGF-I pathway contribute to enhance β -cell mass in fetuses from undernourished pregnant rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007, 292, E187-E195.	1.8	16
21	Early undernutrition induces glucagon resistance and insulin hypersensitivity in the liver of suckling rats. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E1070-E1077.	1.8	14
22	Essential Role of Protein-tyrosine Phosphatase 1B in the Modulation of Insulin Signaling by Acetaminophen in Hepatocytes. <i>Journal of Biological Chemistry</i> , 2014, 289, 29406-29419.	1.6	14
23	PTP1B deficiency enhances liver growth during suckling by increasing the expression of insulin-like growth factor-1. <i>Journal of Cellular Physiology</i> , 2010, 225, 214-222.	2.0	12
24	Role of endogenous IL-6 in the neonatal expansion and functionality of Wistar rat pancreatic alpha cells. <i>Diabetologia</i> , 2013, 56, 1098-1107.	2.9	11
25	Contrasted Impact of Maternal Rat Food Restriction on the Fetal Endocrine Pancreas. <i>Endocrinology</i> , 1997, 138, 2267-2273.	1.4	11
26	Early and Long-term Undernutrition in Female Rats Exacerbates the Metabolic Risk Associated with Nutritional Rehabilitation. <i>Journal of Biological Chemistry</i> , 2015, 290, 19353-19366.	1.6	10
27	Undernutrition does not alter the activation of β -cell neogenesis and replication in adult rats after partial pancreatectomy. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006, 291, E913-E921.	1.8	9
28	Effect of PLGA hydrophilia on the drug release and the hypoglycemic activity of different insulin-loaded PLGA microspheres. <i>Journal of Microencapsulation</i> , 2011, 28, 791-798.	1.2	9
29	Regulation of IGF-I and -II by Insulin in Primary Cultures of Fetal Rat Hepatocytes. , 0, .		8
30	Liver mRNA expression of IGF-I and IGF-BPs in adult undernourished diabetic rats. <i>Life Sciences</i> , 1999, 64, 2255-2271.	2.0	7
31	Early undernutrition increases glycogen content and reduces the activated forms of GSK3, AMPK, p38 MAPK, and JNK in the cerebral cortex of suckling rats. <i>Journal of Neurochemistry</i> , 2010, 112, 123-133.	2.1	7
32	Maternal undernutrition increases pancreatic IGF-2 and partially suppresses the physiological wave of β -cell apoptosis during the neonatal period. <i>Journal of Molecular Endocrinology</i> , 2010, 44, 25-36.	1.1	7
33	Defective liver glycogen autophagy related to hyperinsulinemia in intrauterine growth-restricted newborn wistar rats. <i>Scientific Reports</i> , 2020, 10, 17651.	1.6	6
34	Effect of early dietary restriction on insulin action and secretion in the GK rat, a spontaneous model of NIDDM. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000, 278, E1097-E1103.	1.8	5
35	Undernutrition upregulates fumarate hydratase in the rat nucleus accumbens. <i>Metabolic Brain Disease</i> , 2013, 28, 111-115.	1.4	5
36	Effect of Growth Hormone on Liver Glycogen Accumulation in Suckling Rats. <i>Hormone Research</i> , 1992, 37, 39-44.	1.8	4

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37	Undernutrition of the GK rat during gestation improves pancreatic IGF-2 and beta-cell mass in the fetuses. <i>Growth Factors</i> , 2009, 27, 409-418.	0.5	4
38	Age-dependent adaptation of the liver thyroid status and recovery of serum levels and hepatic insulin-like growth factor-I expression in neonatal and adult diabetic rats. <i>Metabolism: Clinical and Experimental</i> , 2003, 52, 1117-1125.	1.5	3