

Nã°ria Roglans

List of Publications by Year in descending order

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56
papers

1,708
citations

257450

24
h-index

289244

40
g-index

58
all docs

58
docs citations

58
times ranked

2188
citing authors

#	ARTICLE	IF	CITATIONS
1	Impairment of hepatic Stat-3 activation and reduction of PPAR α activity in fructose-fed rats. <i>Hepatology</i> , 2007, 45, 778-788.	7.3	206
2	Atorvastatin Treatment Induced Peroxisome Proliferator-Activated Receptor α Expression and Decreased Plasma Nonesterified Fatty Acids and Liver Triglyceride in Fructose-Fed Rats. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2002, 302, 232-239.	2.5	119
3	Liver AMP/ATP ratio and fructokinase expression are related to gender differences in AMPK activity and glucose intolerance in rats ingesting liquid fructose. <i>Journal of Nutritional Biochemistry</i> , 2011, 22, 741-751.	4.2	86
4	Suppressor of cytokine signaling-3 (SOCS-3) and a deficit of serine/threonine (Ser/Thr) phosphoproteins involved in leptin transduction mediate the effect of fructose on rat liver lipid metabolism. <i>Hepatology</i> , 2008, 48, 1506-1516.	7.3	79
5	Fructose, but not glucose, impairs insulin signaling in the three major insulin-sensitive tissues. <i>Scientific Reports</i> , 2016, 6, 26149.	3.3	75
6	PPAR α activation improves endothelial dysfunction and reduces fibrosis and portal pressure in cirrhotic rats. <i>Journal of Hepatology</i> , 2012, 56, 1033-1039.	3.7	73
7	Atorvastatin reverses age-related reduction in rat hepatic PPAR α and HNF-4. <i>British Journal of Pharmacology</i> , 2005, 145, 853-861.	5.4	61
8	Fibrates modify the expression of key factors involved in bile-acid synthesis and biliary-lipid secretion in gallstone patients. <i>European Journal of Clinical Pharmacology</i> , 2004, 59, 855-861.	1.9	59
9	Reduction of liver fructokinase expression and improved hepatic inflammation and metabolism in liquid fructose-fed rats after atorvastatin treatment. <i>Toxicology and Applied Pharmacology</i> , 2011, 251, 32-40.	2.8	54
10	High doses of atorvastatin and simvastatin induce key enzymes involved in VLDL production. <i>Lipids</i> , 2002, 37, 445-454.	1.7	52
11	Fructose during pregnancy affects maternal and fetal leptin signaling. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1709-1716.	4.2	48
12	Uncoupling Protein-3 mRNA Levels Are Increased in White Adipose Tissue and Skeletal Muscle of Bezafibrate-Treated Rats. <i>Biochemical and Biophysical Research Communications</i> , 1999, 260, 547-556.	2.1	45
13	Fructose supplementation impairs rat liver autophagy through mTORC activation without inducing endoplasmic reticulum stress. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2015, 1851, 107-116.	2.4	43
14	Way back for fructose and liver metabolism: Bench side to molecular insights. <i>World Journal of Gastroenterology</i> , 2012, 18, 6552.	3.3	39
15	Liquid fructose downregulates Sirt1 expression and activity and impairs the oxidation of fatty acids in rat and human liver cells. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2014, 1841, 514-524.	2.4	37
16	Impairment of Novel Object Recognition Memory and Brain Insulin Signaling in Fructose- but Not Glucose-Drinking Female Rats. <i>Molecular Neurobiology</i> , 2018, 55, 6984-6999.	4.0	37
17	mTOR is a Key Protein Involved in the Metabolic Effects of Simple Sugars. <i>International Journal of Molecular Sciences</i> , 2019, 20, 1117.	4.1	37
18	Fibrate treatment does not modify the expression of acyl coenzyme A oxidase in human liver. <i>Clinical Pharmacology and Therapeutics</i> , 2002, 72, 692-701.	4.7	36

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19	Liquid fructose down-regulates liver insulin receptor substrate 2 and gluconeogenic enzymes by modifying nutrient sensing factors in rats. <i>Journal of Nutritional Biochemistry</i> , 2014, 25, 250-258.	4.2	36
20	Simple Sugar Intake and Hepatocellular Carcinoma: Epidemiological and Mechanistic Insight. <i>Nutrients</i> , 2014, 6, 5933-5954.	4.1	34
21	Bezafibrate induces acyl-CoA oxidase mRNA levels and fatty acid peroxisomal beta-oxidation in rat white adipose tissue. <i>Molecular and Cellular Biochemistry</i> , 2001, 216, 71-78.	3.1	33
22	Type of supplemented simple sugar, not merely calorie intake, determines adverse effects on metabolism and aortic function in female rats. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H289-H304.	3.2	30
23	Fructose only in pregnancy provokes hyperinsulinemia, hypoadiponectinemia, and impaired insulin signaling in adult male, but not female, progeny. <i>European Journal of Nutrition</i> , 2016, 55, 665-674.	3.9	27
24	Liquid fructose in Western-diet-fed mice impairs liver insulin signaling and causes cholesterol and triglyceride loading without changing calorie intake and body weight. <i>Journal of Nutritional Biochemistry</i> , 2017, 40, 105-115.	4.2	27
25	Metabolic Alterations and Increased Liver mTOR Expression Precede the Development of Autoimmune Disease in a Murine Model of Lupus Erythematosus. <i>PLoS ONE</i> , 2012, 7, e51118.	2.5	26
26	Fructose during pregnancy provokes fetal oxidative stress: The key role of the placental heme oxygenase-1. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2700-2711.	3.3	23
27	Effects of a Low Dose of Caffeine Alone or as Part of a Green Coffee Extract, in a Rat Dietary Model of Lean Non-Alcoholic Fatty Liver Disease without Inflammation. <i>Nutrients</i> , 2020, 12, 3240.	4.1	23
28	Liquid fructose in pregnancy exacerbates fructose-induced dyslipidemia in adult female offspring. <i>Journal of Nutritional Biochemistry</i> , 2016, 32, 115-122.	4.2	22
29	Human hepatic lipase overexpression in mice induces hepatic steatosis and obesity through promoting hepatic lipogenesis and white adipose tissue lipolysis and fatty acid uptake. <i>PLoS ONE</i> , 2017, 12, e0189834.	2.5	21
30	Paradoxical exacerbation of combined hyperlipidemia in human apolipoprotein A-II transgenic mice treated with fenofibrate. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2005, 1737, 130-137.	2.4	20
31	Increased hepatic expression of SREBP-2 by gemfibrozil administration to rats. 1. Abbreviations: ACO, acyl-CoA oxidase; Apo, apolipoprotein; APRT, adenosyl phosphoribosyl transferase; CT, CTP:phosphocholine cytidyl transferase; HDL, high-density lipoprotein; HMG-CoA Rd, 3-hydroxy-3-methyl-glutaryl coenzyme A reductase; LDL, low-density lipoprotein; PAP, phosphatidate phosphohydrolase; PPAR α , peroxisome proliferator-activated receptor; SREBP, sterol regulatory element binding protein; and VLDL, very-low-d. <i>Biochemical Pharmacology</i> , 2001, 62, 803-809.	4.4	17
32	Prevention of age-related changes in rat cortex transcription factor activator protein-1 by hypolipidemic drugs. <i>Biochemical Pharmacology</i> , 2004, 68, 1411-1421.	4.4	17
33	Tissue factor pathway inhibitor 2 is induced by thrombin in human macrophages. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2011, 1813, 1254-1260.	4.1	17
34	Chronic Liquid Fructose, but not Glucose, Supplementation Selectively Induces Visceral Adipose Tissue Leptin Resistance and Hypertrophy in Female Spragueâ€Dawley Rats. <i>Molecular Nutrition and Food Research</i> , 2018, 62, e1800777.	3.3	14
35	Differential induction of stearoyl-CoA desaturase and acyl-CoA oxidase genes by fibrates in HepG2 cells. <i>Biochemical Pharmacology</i> , 2001, 61, 357-364.	4.4	12
36	ChREBPâ€Driven DNL and PNPLA3 Expression Induced by Liquid Fructose are Essential in the Production of Fatty Liver and Hypertriglyceridemia in a Highâ€Fat Dietâ€Fed Rat Model. <i>Molecular Nutrition and Food Research</i> , 2022, 66, e2101115.	3.3	12

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37	Hypertriglyceridemia and Hepatic Steatosis in Senescence-Accelerated Mouse Associate to Changes in Lipid-Related Gene Expression. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2007, 62, 1219-1227.	3.6	11
38	Ritonavir Increases CD36, ABCA1 and CYP27 Expression in THP-1 Macrophages. Experimental Biology and Medicine, 2008, 233, 1572-1582.	2.4	11
39	Chronic fructose intake does not induce liver steatosis and inflammation in female Spragueâ€“Dawley rats, but causes hypertriglyceridemia related to decreased VLDL receptor expression. European Journal of Nutrition, 2019, 58, 1283-1297.	3.9	11
40	Gemfibrozil increases the specific binding of rat-cortex nuclear extracts to a PPRE probe. Life Sciences, 2003, 73, 2927-2937.	4.3	9
41	Ageing introduces a complex pattern of changes in several rat brain transcription factors depending on gender and anatomical localization. Experimental Gerontology, 2006, 41, 372-379.	2.8	9
42	The Addition of Liquid Fructose to a Western-Type Diet in LDL-R ^{-/-} Mice Induces Liver Inflammation and Fibrogenesis Markers without Disrupting Insulin Receptor Signalling after an Insulin Challenge. Nutrients, 2017, 9, 278.	4.1	9
43	Liquid fructose supplementation in LDL-R ^{-/-} mice fed a western-type diet enhances lipid burden and atherosclerosis despite identical calorie consumption. IJC Metabolic & Endocrine, 2015, 9, 12-21.	0.5	8
44	Low-density lipoprotein receptor-related protein 1 deficiency in cardiomyocytes reduces susceptibility to insulin resistance and obesity. Metabolism: Clinical and Experimental, 2020, 106, 154191.	3.4	7
45	Different response of senescent female Spragueâ€“Dawley rats to gemfibrozil and rosiglitazone administration. Experimental Gerontology, 2005, 40, 588-598.	2.8	6
46	Effects of Maternal Fructose Intake on Perinatal ER-Stress: A Defective XBP1s Nuclear Translocation Affects the ER-stress Resolution. Nutrients, 2019, 11, 1935.	4.1	6
47	Mesenteric arterial dysfunction in the UC Davis Type 2 Diabetes Mellitus rat model is dependent on pre-diabetic versus diabetic status and is sexually dimorphic. European Journal of Pharmacology, 2020, 879, 173089.	3.5	6
48	Reducci3n en la actividad de transactivaci3n y transrepresi3n de PPARÎ± en un modelo experimental de sÃndrome metab3lico por fructosa diet3tica. ClÃnica E Investigaci3n En Arteriosclerosis, 2007, 19, 1-12.	0.8	3
49	Hepatic Gene Expression Changes in an Experimental Model of Accelerated Senescence: The SAM-P8 Mouse. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2008, 63, 1043-1052.	3.6	3
50	Liquid fructose and liver insulin signaling: Molecular mechanisms controlling hepatic steatosis. , 2019, , 149-172.		3
51	El Ãcido bempedoico como activador PPARÎ±: Nuevas perspectivas para el tratamiento de la esteatosis hepÃtica en un modelo experimental de rata hembra. ClÃnica E Investigaci3n En Arteriosclerosis, 2022, 34, 57-67.	0.8	3
52	Resistencia a la leptina: eje MAPK-AMPK y fosforilaci3n de STAT-3 en Ser727 en rata alimentada con fructosa. ClÃnica E Investigaci3n En Arteriosclerosis, 2008, 20, 223-232.	0.8	2
53	Bempedoic acid as a PPARÎ± activator: New perspectives for hepatic steatosis treatment in a female rat experimental model. ClÃnica E Investigaci3n En Arteriosclerosis (English Edition), 2022, , .	0.2	2
54	Evoluci3n temporal de marcadores metab3licos y de enfermedad autoinmune en un modelo de lupus eritematoso. ClÃnica E Investigaci3n En Arteriosclerosis, 2010, 22, 233-240.	0.8	1

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55	Chronic liquid fructose supplementation does not cause liver tumorigenesis but elicits clear sex differences in the metabolic response in Spragueâ€Dawley rats. Food and Nutrition Research, 2021, 65, .	2.6	1
56	Activaci3n de PP2A y alteraciones metab3licas inducidas por la ingesti3n de fructosa en forma l3quida. CI3nica E Investigaci3n En Arteriosclerosis, 2009, 21, 87-96.	0.8	0