Rafael Mayoral Monibas

List of Publications by Citations

33 papers	1,751 citations	22 h-index	35 g-index
35 ext. papers	2,102 ext. citations	7.4 avg, IF	4.02 L-index

#	Paper	IF	Citations
33	Impaired autophagic flux is associated with increased endoplasmic reticulum stress during the development of NAFLD. *Cell Death and Disease*, **2014**, 5, e1179	9.8	325
32	LTB4 promotes insulin resistance in obese mice by acting on macrophages, hepatocytes and myocytes. *Nature Medicine*, **2015**, 21, 239-247	50.5	189
31	Targeting a ceramide double bond improves insulin resistance and hepatic steatosis. *Science*, **2019**, 365, 386-392	33.3	171
30	GPR43 Potentiates Cell Function in Obesity. *Diabetes*, **2015**, 64, 3203-17	0.9	121
29	Characterization of distinct subpopulations of hepatic macrophages in HFD/obese mice. *Diabetes*, **2015**, 64, 1120-30	0.9	103
28	Adipocyte SIRT1 knockout promotes PPAR activity, adipogenesis and insulin sensitivity in chronic-HFD and obesity. *Molecular Metabolism*, **2015**, 4, 378-91	8.8	102
27	Prostaglandin E2 promotes migration and adhesion in hepatocellular carcinoma cells. *Carcinogenesis*, **2005**, 26, 753-61	4.6	75
26	Hepatic insulin resistance is associated with increased apoptosis and fibrogenesis in nonalcoholic steatohepatitis and chronic hepatitis C. *Journal of Hepatology*, **2011**, 54, 142-52	13.4	72
25	TNFalpha-dependent hepatic steatosis and liver degeneration caused by mutation of zebrafish S-adenosylhomocysteine hydrolase. *Development (Cambridge)*, **2009**, 136, 865-75	6.6	64
24	Omega-3 fatty acids reduce obesity-induced tumor progression independent of GPR120 in a mouse model of postmenopausal breast cancer. *Oncogene*, **2015**, 34, 3504-13	9.2	48
23	Dispensability and dynamics of caveolin-1 during liver regeneration and in isolated hepatic cells. *Hepatology*, **2007**, 46, 813-22	11.2	45
22	Protection against Fas-induced liver apoptosis in transgenic mice expressing cyclooxygenase 2 in hepatocytes. *Hepatology*, **2007**, 45, 631-8	11.2	36
21	Caveolin-1 is required for TGF- induced transactivation of the EGF receptor pathway in hepatocytes through the activation of the metalloprotease TACE/ADAM17. *Cell Death and Disease*, **2014**, 5, e1326	9.8	33
20	Regulation of MicroRNA 183 by Cyclooxygenase 2 in Liver Is DEAD-Box Helicase p68 (DDX5) Dependent: Role in Insulin Signaling. *Molecular and Cellular Biology*, **2015**, 35, 2554-67	4.8	30
19	Hepatic cyclooxygenase-2 expression protects against diet-induced steatosis, obesity, and insulin resistance. *Diabetes*, **2015**, 64, 1522-31	0.9	30
18	Cyclooxygenase-2 is a target of microRNA-16 in human hepatoma cells. *PLoS ONE*, **2012**, 7, e50935	3.7	30
17	Impairment of transforming growth factor beta signaling in caveolin-1-deficient hepatocytes: role in liver regeneration. *Journal of Biological Chemistry*, **2010**, 285, 3633-3642	5.4	30

List of Publications

16	Catestatin Inhibits Obesity-Induced Macrophage Infiltration and Inflammation in the Liver and Suppresses Hepatic Glucose Production, Leading to Improved Insulin Sensitivity. *Diabetes*, **2018**, 67, 841-848	9.9	27
15	Cyclooxygenase-2 expression in hepatocytes attenuates non-alcoholic steatohepatitis and liver fibrosis in mice. *Biochimica Et Biophysica Acta - Molecular Basis of Disease*, **2016**, 1862, 1710-23	6.9	27
14	Protein Tyrosine Phosphatase 1B (PTP1B) deficiency accelerates hepatic regeneration in mice. *American Journal of Pathology*, **2011**, 178, 1591-604	5.8	26
13	Constitutive expression of cyclo-oxygenase 2 transgene in hepatocytes protects against liver injury. *Biochemical Journal*, **2008**, 416, 337-46	3.8	24
12	COX-2 in liver, from regeneration to hepatocarcinogenesis: what we have learned from animal models?. *World Journal of Gastroenterology*, **2010**, 16, 1430-5	5.6	23
11	Evaluation of epigenetic modulation of cyclooxygenase-2 as a prognostic marker for hepatocellular carcinoma. *Oncogenesis*, **2012**, 1, e23	6.6	22
10	Cyclo-oxygenase 2 expression impairs serum-withdrawal-induced apoptosis in liver cells. *Biochemical Journal*, **2006**, 398, 371-80	3.8	22
9	Cyclooxygenase-2 over-expression inhibits liver apoptosis induced by hyperglycemia. *Journal of Cellular Biochemistry*, **2013**, 114, 669-80	4.7	16
8	Caveolin-1-dependent activation of the metalloprotease TACE/ADAM17 by TGF-□n hepatocytes requires activation of Src and the NADPH oxidase NOX1. *FEBS Journal*, **2016**, 283, 1300-10	5.7	16
7	In Situ Forming Injectable Thermoresponsive Hydrogels for Controlled Delivery of Biomacromolecules. *ACS Omega*, **2020**, 5, 17531-17542	3.9	13
6	Distinct Hepatic Macrophage Populations in Lean and Obese Mice. *Frontiers in Endocrinology*, **2016**, 7, 152	5.7	10
5	Transgenic mice expressing cyclooxygenase-2 in hepatocytes reveal a minor contribution of this enzyme to chemical hepatocarcinogenesis. *American Journal of Pathology*, **2011**, 178, 1361-73	5.8	9
4	Differential regulation of hepatic physiology and injury by the TAM receptors Axl and Mer. *Life Science Alliance*, **2020**, 3,	5.8	7
3	Quantifying ceramide kinetics in vivo using stable isotope tracers and LC-MS/MS. *American Journal of Physiology - Endocrinology and Metabolism*, **2018**, 315, E416-E424	6	3
2	Progression of liver oncogenesis in the double transgenic mice c-myc/TGF □s not enhanced by cyclooxygenase-2 expression. *Prostaglandins and Other Lipid Mediators*, **2013**, 106, 106-15	3.7	1
1	PPAR gamma pro12Ala polymorphism and type 2 diabetes: a study in a spanish cohort **2014**, 2, 1		1