

Natalia Guilln

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40
papers

647
citations

15
h-index

24
g-index

41
ext. papers

733
ext. citations

3.3
avg, IF

3.39
L-index

#	Paper	IF	Citations
40	Microarray analysis of hepatic gene expression identifies new genes involved in steatotic liver. <i>Physiological Genomics</i> , 2009 , 37, 187-98	3.6	82
39	Hydroxytyrosol administration enhances atherosclerotic lesion development in apo E deficient mice. <i>Journal of Biochemistry</i> , 2006 , 140, 383-91	3.1	66
38	Identifying early pathogenic events during vascular calcification in uremic rats. <i>Kidney International</i> , 2017 , 92, 1384-1394	9.9	46
37	Squalene in a sex-dependent manner modulates atherosclerotic lesion which correlates with hepatic fat content in apoE-knockout male mice. <i>Atherosclerosis</i> , 2008 , 197, 72-83	3.1	41
36	Microarray analysis of hepatic genes differentially expressed in the presence of the unsaponifiable fraction of olive oil in apolipoprotein E-deficient mice. <i>British Journal of Nutrition</i> , 2007 , 97, 628-38	3.6	31
35	Accelerated atherosclerosis in apolipoprotein E-deficient mice fed Western diets containing palm oil compared with extra virgin olive oils: a role for small, dense high-density lipoproteins. <i>Atherosclerosis</i> , 2007 , 194, 372-82	3.1	30
34	Intestinal phosphate absorption is mediated by multiple transport systems in rats. <i>American Journal of Physiology - Renal Physiology</i> , 2017 , 312, G355-G366	5.1	29
33	Cystathionine β -synthase deficiency causes infertility by impairing decidualization and gene expression networks in uterus implantation sites. <i>Physiological Genomics</i> , 2012 , 44, 702-16	3.6	27
32	Understanding the role of dietary components on atherosclerosis using genetic engineered mouse models. <i>Frontiers in Bioscience - Landmark</i> , 2006 , 11, 955-67	2.8	27
31	Protein kinases, TNF- α , and proteasome contribute in the inhibition of fructose intestinal transport by sepsis in vivo. <i>American Journal of Physiology - Renal Physiology</i> , 2008 , 294, G155-64	5.1	26
30	Sex as a profound modifier of atherosclerotic lesion development in apolipoprotein E-deficient mice with different genetic backgrounds. <i>Journal of Atherosclerosis and Thrombosis</i> , 2010 , 17, 712-21	4	24
29	Lipopolysaccharide induces inhibition of galactose intestinal transport in rabbits in vitro. <i>Cellular Physiology and Biochemistry</i> , 2008 , 22, 715-24	3.9	17
28	Apolipoprotein E determines the hepatic transcriptional profile of dietary maslinic acid in mice. <i>Journal of Nutritional Biochemistry</i> , 2009 , 20, 882-93	6.3	16
27	Postprandial changes in high density lipoproteins in rats subjected to gavage administration of virgin olive oil. <i>PLoS ONE</i> , 2013 , 8, e55231	3.7	16
26	Na ⁺ -independent phosphate transport in Caco2BBE cells. <i>American Journal of Physiology - Cell Physiology</i> , 2014 , 307, C1113-22	5.4	15
25	Proteomics and gene expression analyses of squalene-supplemented mice identify microsomal thioredoxin domain-containing protein 5 changes associated with hepatic steatosis. <i>Journal of Proteomics</i> , 2012 , 77, 27-39	3.9	15
24	In comparison with palm oil, dietary nut supplementation delays the progression of atherosclerotic lesions in female apoE-deficient mice. <i>British Journal of Nutrition</i> , 2013 , 109, 202-9	3.6	13

23	Postprandial transcriptome associated with virgin olive oil intake in rat liver. <i>Frontiers in Bioscience - Elite</i> , 2011 , 3, 11-21	1.6	11
22	Cysteinemia, rather than homocysteinemia, is associated with plasma apolipoprotein A-I levels in hyperhomocysteinemia: lipid metabolism in cystathionine beta-synthase deficiency. <i>Atherosclerosis</i> , 2010 , 212, 268-73	3.1	11
21	Proteomics and gene expression analyses of mitochondria from squalene-treated apoE-deficient mice identify short-chain specific acyl-CoA dehydrogenase changes associated with fatty liver amelioration. <i>Journal of Proteomics</i> , 2012 , 75, 2563-75	3.9	10
20	Cloning, characterization, expression and comparative analysis of pig Golgi membrane sphingomyelin synthase 1. <i>Gene</i> , 2007 , 388, 117-24	3.8	10
19	Effects of oral exposure to arsenite on arsenic metabolism and transport in rat kidney. <i>Toxicology Letters</i> , 2020 , 333, 4-12	4.4	9
18	Nitric oxide involved in the IL-1 β induced inhibition of fructose intestinal transport. <i>Journal of Cellular Biochemistry</i> , 2010 , 111, 1321-9	4.7	8
17	Several phosphate transport processes are present in vascular smooth muscle cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H448-H460	5.2	7
16	Characterization of the cDNA and in vitro expression of the ram seminal plasma protein RSVP14. <i>Gene</i> , 2013 , 519, 271-8	3.8	7
15	Simvastatin reverses the hypertension of heterozygous mice lacking cystathionine beta-synthase and apolipoprotein A-I. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2008 , 377, 35-43	3.4	7
14	Sex-dependent effect of liver growth factor on atherosclerotic lesions and fatty liver disease in apolipoprotein E knockout mice. <i>Histology and Histopathology</i> , 2010 , 25, 609-18	1.4	7
13	Conocimiento de la acción biológica del aceite de oliva virgen extra mediante el uso del ratón carente de la apolipoproteína E. <i>Revista Espanola De Cardiologia</i> , 2009 , 62, 294-304	1.5	6
12	Substrates and inhibitors of phosphate transporters: from experimental tools to pathophysiological relevance. <i>Pflugers Archiv European Journal of Physiology</i> , 2019 , 471, 53-65	4.6	6
11	Sensitivity of <i>Pseudunio auricularius</i> to metals and ammonia: first evaluation. <i>Hydrobiologia</i> , 2021 , 848, 2977-2992	2.4	6
10	Differential antioxidative and hypocholesterolemic responses to two fish protein hydrolysates (<i>Sardina pilchardus</i> and <i>Boops boops</i>) in cholesterol-fed rats. <i>Nutrition and Food Science</i> , 2015 , 45, 448-466	1.5	4
9	Identification and expression analysis of type II and type III P transporters in the opossum kidney cell line. <i>Experimental Physiology</i> , 2019 , 104, 149-161	2.4	4
8	Hypocholesterolaemic and antioxidant efficiency of chickpea (<i>Cicer arietinum</i>) protein hydrolysates depend on its degree of hydrolysis in cholesterol-fed rat. <i>Nutrition and Food Science</i> , 2017 , 47, 254-269	1.5	3
7	Cloning and expression of hepatic synaptotagmin 1 in mouse. <i>Gene</i> , 2015 , 562, 236-43	3.8	3
6	Nitric oxide-releasing agent, LA419, reduces atherogenesis in apolipoprotein E-deficient mice. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2009 , 379, 489-500	3.4	3

5	Diagnosis of genetic amyloidosis through the analysis of transthyretin gene mutation using high-resolution melting. <i>International Journal of Cardiology</i> , 2020 , 301, 220-225	3.2	2
4	Knowledge of the biological actions of extra virgin olive oil gained from mice lacking apolipoprotein E. <i>Revista Espanola De Cardiologia (English Ed)</i> , 2009 , 62, 294-304	0.7	1
3	Hepatic Synaptotagmin 1 is involved in the remodelling of liver plasma- membrane lipid composition and gene expression in male Apoe-deficient mice consuming a Western diet. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2020 , 1865, 158790	5	1
2	Hiperhomocisteinemia. Panorama actual y contribuci3n del rat3n a su estudio. <i>Clinica E Investigaci3n En Arteriosclerosis</i> , 2010 , 22, 200-219	1.4	
1	Protective properties of sardine and chickpea protein hydrolysates against lipoprotein oxidative damages and some inflammation markers in hypercholesterolemic rats. <i>Mediterranean Journal of Nutrition and Metabolism</i> , 2021 , 1-14	1.3	