MarÃ-a Dolores SuÃ¡rez Ortega

List of Publications by Year
in descending order

65 papers	3,188 citations	201575 27 h-index	149623 56 g-index
65 all docs	65 docs citations	65 times ranked	5029 citing authors

#	Article	IF	Citations
1	Reversible Ponceau staining as a loading control alternative to actin in Western blots. Analytical Biochemistry, 2010, 401, 318-320.	1.1	647
2	Effects of Flavonoids and other Polyphenols on Inflammation. Critical Reviews in Food Science and Nutrition, 2011, 51, 331-362.	5.4	439
3	Experimental ulcerative colitis impairs antioxidant defense system in rat intestine. Digestive Diseases and Sciences, 2000, 45, 1820-1827.	1.1	134
4	Goat Milk Oligosaccharides Are Anti-Inflammatory in Rats with Hapten-Induced Colitis. Journal of Nutrition, 2006, 136, 672-676.	1.3	109
5	Nondigestible oligosaccharides exert nonprebiotic effects on intestinal epithelial cells enhancing the immune response via activation of <scp>TLR</scp>4â€<scp>NF</scp>Î<scp>B</scp>. Molecular Nutrition and Food Research, 2014, 58, 384-393.	1.5	97
6	Effect of Dietary Nucleotides on Intestinal Repair in Rats with Experimental Chronic Diarrhea. Journal of Parenteral and Enteral Nutrition, 1990, 14, 598-604.	1.3	91
7	Prebiotic oligosaccharides directly modulate proinflammatory cytokine production in monocytes via activation of <scp>TLR</scp>4. Molecular Nutrition and Food Research, 2014, 58, 1098-1110.	1.5	90
8	Rutin has intestinal antiinflammatory effects in the CD4+ CD62L+ T cell transfer model of colitis. Pharmacological Research, 2014, 90, 48-57.	3.1	85
9	Bovine Glycomacropeptide Is Anti-Inflammatory in Rats with Hapten-Induced Colitis. Journal of Nutrition, 2005, 135, 1164-1170.	1.3	80
10	Dose-dependent antiinflammatory effect of ursodeoxycholic acid in experimental colitis. International Immunopharmacology, 2013, 15, 372-380.	1.7	76
11	Dietary Restriction Induces Biochemical and Morphometric Changes in the Small Intestine of Nursing Piglets. Journal of Nutrition, 1996, 126, 933-944.	1.3	75
12	Effect of flavonoids on rat splenocytes, a structureâ€“activity relationship study. Biochemical Pharmacology, 2008, 76, 495-506.	2.0	74
13	Dietary monounsaturated n-3 and n-6 long-chain polyunsaturated fatty acids affect cellular antioxidant defense system in rats with experimental ulcerative colitis induced by trinitrobenzene sulfonic acid. Digestive Diseases and Sciences, 1998, 43, 2676-2687.	1.1	61
14	Bovine glycomacropeptide ameliorates experimental rat ileitis by mechanisms involving downregulation of interleukin 17. British Journal of Pharmacology, 2008, 154, 825-832.	2.7	58
15	Molecular bases of impaired water and ion movements in inflammatory bowel diseases. Inflammatory Bowel Diseases, 2009, 15, 114-127.	0.9	57
16	Intestinal anti-inflammatory activity of apigenin K in two rat colitis models induced by trinitrobenzenesulfonic acid and dextran sulphate sodium. British Journal of Nutrition, 2015, 113, 618-626.	1.2	56
17	Bovine glycomacropeptide induces cytokine production in human monocytes through the stimulation of the MAPK and the NFâ€ÎºB signal transduction pathways. British Journal of Pharmacology, 2009, 157, 1232-1240.	2.7	54
18	Bovine Glycomacropeptide Has Intestinal Antiinflammatory Effects in Rats with Dextran Sulfate-Induced Colitis1â€“3. Journal of Nutrition, 2010, 140, 2014-2019.	1.3	54

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19	Tissue-nonspecific alkaline phosphatase is activated in enterocytes by oxidative stress via changes in glycosylation. Inflammatory Bowel Diseases, 2011, 17, 543-556.	0.9	53
20	Exogenous alkaline phosphatase treatment complements endogenous enzyme protection in colonic inflammation and reduces bacterial translocation in rats. Pharmacological Research, 2012, 66, 144-153.	3.1	49
21	Dietary Trans Fatty Acids Affect Docosahexaenoic Acid Concentrations in Plasma and Liver but not Brain of Pregnant and Fetal Rats. Pediatric Research, 2000, 47, 278-278.	1.1	49
22	Validation of bovine glycomacropeptide as an intestinal anti-inflammatory nutraceutical in the lymphocyte-transfer model of colitis. British Journal of Nutrition, 2014, 111, 1202-1212.	1.2	43
23	The intestinal antiinflammatory agent glycomacropeptide has immunomodulatory actions on rat splenocytes. Biochemical Pharmacology, 2010, 79, 1797-1804.	2.0	42
24	Effect of dietary (nâ€“9), (nâ€“6) and (nâ€“3) fatty acids on membrane lipid composition and morphology of rat erythrocytes. Lipids and Lipid Metabolism, 1998, 1394, 65-73.	2.6	39
25	Flavonoids exert distinct modulatory actions on cyclooxygenase 2 and NFâ€ºB in an intestinal epithelial cell line (IEC18). British Journal of Pharmacology, 2010, 160, 1714-1726.	2.7	36
26	New insights into the immunological effects of food bioactive peptides in animal models of intestinal inflammation. Proceedings of the Nutrition Society, 2010, 69, 454-462.	0.4	32
27	Changes in lipid composition and desaturase activities of duodenal mucosa induced by dietary fat. Lipids and Lipid Metabolism, 1990, 1045, 69-73.	2.6	28
28	Disturbances in metabolic, transport and structural genes in experimental colonic inflammation in the rat: a longitudinal genomic analysis. BMC Genomics, 2008, 9, 490.	1.2	27
29	Changes in lipid composition of liver microsomes and fatty acyl-CoA desaturase activities induced by medium chain triglyceride feeding. Lipids, 1989, 24, 383-388.	0.7	26
30	The bisphosphonate alendronate improves the damage associated with trinitrobenzenesulfonic acid-induced colitis in rats. British Journal of Pharmacology, 2007, 151, 206-215.	2.7	26
31	Chronic diarrhea impairs intestinal antioxidant defense system in rats at weaning. Digestive Diseases and Sciences, 2000, 45, 2044-2050.	1.1	24
32	Lipid composition of liver microsomes in rats fed a high monounsaturated fatty acid diet. Lipids and Lipid Metabolism, 1988, 962, 66-72.	2.6	23
33	Modulation of glucose transporters in rat diaphragm by sodium tungstate. FEBS Letters, 2003, 542, 84-88.	1.3	23
34	The small intestinal mucosa acts as a rutin reservoir to extend flavonoid anti-inflammatory activity in experimental ileitis and colitis. Journal of Functional Foods, 2015, 13, 117-125.	1.6	21
35	Mevalonate phosphorylation in agave americana. Phytochemistry, 1972, 11, 2495-2498.	1.4	20
36	Effects of dietary fatty acids on lipid metabolism in streptozotocin-induced diabetic rats. Metabolism: Clinical and Experimental, 1999, 48, 455-460.	1.5	19

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37	AU-rich elements in the mRNA 3â€²-untranslated region of the rat receptor for advanced glycation end products and their relevance to mRNA stability. Biochemical and Biophysical Research Communications, 2004, 319, 247-255.	1.0	19
38	Mevalonate phosphorylation in the neonatal chick liver. Biochemical and Biophysical Research Communications, 1976, 72, 202-208.	1.0	18
39	Active hexose-correlated compound and Bifidobacterium longum BB536 exert symbiotic effects in experimental colitis. European Journal of Nutrition, 2013, 52, 457-466.	1.8	18
40	Isolation of two fractions with mevalonate kinase activity fromPinus pinasterandAgave americana. FEBS Letters, 1973, 30, 15-17.	1.3	16
41	Changes in plasma and colonic mucosa fatty acid profiles in rats with ulcerative colitis induced by trinitrobenzene sulfonic acid. Digestive Diseases and Sciences, 1998, 43, 2688-2695.	1.1	16
42	Increased diaphragm expression of GLUT4 in control and streptozotocin-diabetic rats by fish oil-supplemented diets. Lipids, 1999, 34, 801-807.	0.7	16
43	Changes in Fatty Acid Profiles of Red Blood Cell Membranes Mediated by Dietary Nucleotides in Weanling Rats. Journal of Pediatric Gastroenterology and Nutrition, 1992, 14, 293-299.	0.9	15
44	The effect of a formula supplemented with n-3 and n-6 long-chain polyunsaturated fatty acids on plasma phospholipid, liver microsomal, retinal, and brain fatty acid composition in neonatal piglets. Journal of Nutritional Biochemistry, 1997, 8, 217-223.	1.9	14
45	Sequencing of Two Alternatively Spliced mRNAs Corresponding to the Extracellular Domain of the Rat Receptor for Advanced Glycosylation End Products (RAGE). Biochemical and Biophysical Research Communications, 1998, 251, 230-234.	1.0	14
46	Influence of Casein and Casein Hydrolysate Diets on Nutritional Recovery of Starved Rats. Journal of Parenteral and Enteral Nutrition, 1995, 19, 216-221.	1.3	13
47	Properties and partial purification of mevalonate kinase from Agave americana. Phytochemistry, 1977, 16, 661-665.	1.4	11
48	Long-term effects of dietary monounsaturated and polyunsaturated fatty acids on the lipid composition of erythrocyte membranes in dogs. Comparative Biochemistry and Physiology A, Comparative Physiology, 1992, 102, 197-201.	0.7	11
49	Age-Related Response of the Small Intestine to Severe Starvation and Refeeding in Rats. Annals of Nutrition and Metabolism, 1996, 40, 351-358.	1.0	11
50	Effects of Native and Hydrolyzed Whey Protein on Intestinal Repair of Severely Starved Rats at Weaning. Journal of Pediatric Gastroenterology and Nutrition, 1996, 22, 186-193.	0.9	11
51	Mevalonate kinase from Pinus pinaster seedlings. Phytochemistry, 1974, 13, 1059-1063.	1.4	10
52	Alterations in 3-hydroxy-3-methylglutaryl-CoA reductase mRNA concentration in cultured chick aortic smooth muscle cells. Lipids, 2000, 35, 587-593.	0.7	9
53	Active hexose correlated compound exerts therapeutic effects in lymphocyte driven colitis. Molecular Nutrition and Food Research, 2014, 58, 2379-2382.	1.5	9
54	Genomic analysis of sulfasalazine effect in experimental colitis is consistent primarily with the modulation of NF-Î²B but not PPAR-Î³ signaling. Pharmacogenetics and Genomics, 2009, 19, 363-372.	0.7	7

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55	Intestinal inflammation and the enterocyte transportome. Biochemical Society Transactions, 2011, 39, 1096-1101.	1.6	6
56	Contribution of Polyunsaturated Fatty Acids to Intestinal Repair in Protein-Energy Malnutrition. Digestive Diseases and Sciences, 2007, 52, 1485-1496.	1.1	5
57	It may not be intestinal, but tissue non-specific alkaline phosphatase. Gut, 2010, 59, 560-560.	6.1	5
58	Effect of dietary nucleotides on the fatty acid composition of rat liver microsomes. Archives Internationales De Physiologie, De Biochimie Et De Biophysique, 1993, 101, 123-128.	0.1	4
59	Characterization of mevalonate-activating enzymes in the neonatal chick liver. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1978, 61, 275-279.	0.2	3
60	Long-term effects of dietary monounsaturated and polyunsaturated fatty acids on plasma lipids in dogs. Archives Internationales De Physiologie, De Biochimie Et De Biophysique, 1992, 100, 321-326.	0.1	3
61	Evidence in favor of a facilitated transport system for FA uptake in cultured L6 cells. Lipids, 2002, 37, 273-283.	0.7	3
62	Metabolism of mevalonic acid to phosphorylated derivatives in Chlorella. Biochemical and Biophysical Research Communications, 1977, 77, 974-980.	1.0	2
63	Further characterization of mevalonate metabolism in neonatal chick kidney. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1981, 70, 219-223.	0.2	1
64	The Short-Term Effect of Dietary Fats on the Brain Fatty Acid Composition in Rats. Archives of Physiology and Biochemistry, 1995, 103, 123-126.	1.0	1
65	Changes in liver microscope lipids and plasma fatty acids induced by dietary orotate in the weanling rat. Comparative Biochemistry and Physiology Part B: Comparative Biochemistry, 1992, 103, 65-69.	0.2	0