

# Olga MartÃ- nez-AugustÃ- n

## List of Publications by Year in descending order

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107  
papers

5,265  
citations

81743

39  
h-index

88477

70  
g-index

107  
all docs

107  
docs citations

107  
times ranked

8811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Modulation of intestinal barrier function by glucocorticoids: Lessons from preclinical models. <i>Pharmacological Research</i> , 2022, 177, 106056.	3.1	16
2	A Standardized Extract of <i>Lentinula edodes</i> Cultured Mycelium Inhibits <i>Pseudomonas aeruginosa</i> Infectivity Mechanisms. <i>Frontiers in Microbiology</i> , 2022, 13, 814448.	1.5	1
3	Insulin Crystals Grown in Short-Peptide Supramolecular Hydrogels Show Enhanced Thermal Stability and Slower Release Profile. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 11672-11682.	4.0	20
4	Immunoregulatory Effects of Porcine Plasma Protein Concentrates on Rat Intestinal Epithelial Cells and Splenocytes. <i>Animals</i> , 2021, 11, 807.	1.0	4
5	Epithelial deletion of the glucocorticoid receptor ( <i>Nr3c1</i> ) protects the mouse intestine against experimental inflammation. <i>British Journal of Pharmacology</i> , 2021, 178, 2482-2495.	2.7	6
6	Leptin-resistant Zucker rats with trinitrobenzene sulfonic acid colitis present a reduced inflammatory response but enhanced epithelial damage. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G157-G170.	1.6	2
7	Deficiency in Tissue Non-Specific Alkaline Phosphatase Leads to Steatohepatitis in Mice Fed a High Fat Diet Similar to That Produced by a Methionine and Choline Deficient Diet. <i>International Journal of Molecular Sciences</i> , 2021, 22, 51.	1.8	3
8	Impact of alternative splicing on mechanisms of resistance to anticancer drugs. <i>Biochemical Pharmacology</i> , 2021, 193, 114810.	2.0	14
9	Mice carrying an epithelial deletion of the glucocorticoid receptor NR3C1 develop a higher tumor load in experimental colitis-associated cancer. <i>American Journal of Physiology - Renal Physiology</i> , 2021, 321, G705-G718.	1.6	0
10	Circadian Rhythms in Hormone-sensitive Lipase in Human Adipose Tissue: Relationship to Meal Timing and Fasting Duration. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2020, 105, e4407-e4416.	1.8	12
11	Molecular action mechanism of anti-inflammatory hydrolysates obtained from brewers' spent grain. <i>Journal of the Science of Food and Agriculture</i> , 2020, 100, 2880-2888.	1.7	9
12	Efficacy and Safety of a Novel Submucosal Injection Solution for Resection of Gastrointestinal Lesions. <i>Journal of Clinical Medicine</i> , 2020, 9, 1162.	1.0	1
13	Premature Birth Infants Present Elevated Inflammatory Markers in the Meconium. <i>Frontiers in Pediatrics</i> , 2020, 8, 627475.	0.9	5
14	Exogenous leptin reinforces intestinal barrier function and protects from colitis. <i>Pharmacological Research</i> , 2019, 147, 104356.	3.1	8
15	Intestinal epithelial deletion of the glucocorticoid receptor NR3C1 alters expression of inflammatory mediators and barrier function. <i>FASEB Journal</i> , 2019, 33, 14067-14082.	0.2	16
16	Biosimilars: Concepts and controversies. <i>Pharmacological Research</i> , 2018, 133, 251-264.	3.1	33
17	miR-146a regulates the crosstalk between intestinal epithelial cells, microbial components and inflammatory stimuli. <i>Scientific Reports</i> , 2018, 8, 17350.	1.6	22
18	Experimental acute pancreatitis is enhanced in mice with tissue nonspecific alkaline phosphatase haplodeficiency due to modulation of neutrophils and acinar cells. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 3769-3779.	1.8	6

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19	Green Alga <i>Ulva</i> spp. Hydrolysates and Their Peptide Fractions Regulate Cytokine Production in Splenic Macrophages and Lymphocytes Involving the TLR4-NF $\kappa$ B/MAPK Pathways. <i>Marine Drugs</i> , 2018, 16, 235.	2.2	34
20	Calprotectin protects against experimental colonic inflammation in mice. <i>British Journal of Pharmacology</i> , 2018, 175, 3797-3812.	2.7	20
21	Antithrombotic Activity of Brewersâ€™ Spent Grain Peptides and their Effects on Blood Coagulation Pathways. <i>Plant Foods for Human Nutrition</i> , 2018, 73, 241-246.	1.4	29
22	Adenylyl cyclase 6 is involved in the hyposecretory status of experimental colitis. <i>Pflugers Archiv European Journal of Physiology</i> , 2018, 470, 1705-1717.	1.3	3
23	Interaction of glucocorticoids with FXR/FGF19/FGF21-mediated ileum-liver crosstalk. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2018, 1864, 2927-2937.	1.8	30
24	Tissue Nonspecific Alkaline Phosphatase Expression is Needed for the Full Stimulation of T Cells and T Cell Dependent Colitis. <i>Journal of Crohn's and Colitis</i> , 2017, 11, jjw222.	0.6	13
25	Functional, bioactive and antigenicity properties of blue whiting protein hydrolysates: effect of enzymatic treatment and degree of hydrolysis. <i>Journal of the Science of Food and Agriculture</i> , 2017, 97, 299-308.	1.7	48
26	A synbiotic composed of <i>Lactobacillus fermentum</i> CECT5716 and FOS prevents the development of fatty acid liver and glycemic alterations in rats fed a high fructose diet associated with changes in the microbiota. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600622.	1.5	37
27	Chemical Composition and Immuno-Modulatory Effects of <i>Urtica dioica</i> L. (Stinging Nettle) Extracts. <i>Phytotherapy Research</i> , 2017, 31, 1183-1191.	2.8	34
28	Analyses of hair and salivary cortisol for evaluating hypothalamic-pituitary-adrenal axis activation in patients with autoimmune disease. <i>Stress</i> , 2017, 20, 541-548.	0.8	15
29	Hair cortisol levels, psychological stress and psychopathological symptoms as predictors of postpartum depression. <i>PLoS ONE</i> , 2017, 12, e0182817.	1.1	108
30	Dietary Nucleotides and Immunity. , 2017, , 387-404.		0
31	Germ-free and Antibiotic-treated Mice are Highly Susceptible to Epithelial Injury in DSS Colitis. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 1324-1335.	0.6	179
32	Treatment with Glucocorticoids Interferes with Bile Acid Homeostasis by Affecting Fxr/Fgf19-Mediated Ileum-Liver Crosstalk. <i>Journal of Hepatology</i> , 2016, 64, S178-S179.	1.8	1
33	The glucocorticoid budesonide has protective and deleterious effects in experimental colitis in mice. <i>Biochemical Pharmacology</i> , 2016, 116, 73-88.	2.0	32
34	The Bisphosphonate Pamidronate is an Intestinal Antiinflammatory Agent in Rat and Mouse Experimental Colitis. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 2549-2561.	0.9	5
35	Human adipose tissue expresses intrinsic circadian rhythm in insulin sensitivity. <i>FASEB Journal</i> , 2016, 30, 3117-3123.	0.2	54
36	Nonprebiotic Actions of Prebiotics. , 2016, , 619-632.		1

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37	Fructooligosaccharides exert intestinal anti-inflammatory activity in the CD4+ CD62L+ T cell transfer model of colitis in C57BL/6J mice. <i>European Journal of Nutrition</i> , 2016, 55, 1445-1454.	1.8	36
38	Proteins and Carbohydrates from Red Seaweeds: Evidence for Beneficial Effects on Gut Function and Microbiota. <i>Marine Drugs</i> , 2015, 13, 5358-5383.	2.2	146
39	Expression of Glucose Transporters in the Prelaminar Region of the Optic-Nerve Head of the Pig as Determined by Immunolabeling and Tissue Culture. <i>PLoS ONE</i> , 2015, 10, e0128516.	1.1	9
40	The small intestinal mucosa acts as a rutin reservoir to extend flavonoid anti-inflammatory activity in experimental ileitis and colitis. <i>Journal of Functional Foods</i> , 2015, 13, 117-125.	1.6	21
41	Intestinal anti-inflammatory activity of apigenin K in two rat colitis models induced by trinitrobenzenesulfonic acid and dextran sulphate sodium. <i>British Journal of Nutrition</i> , 2015, 113, 618-626.	1.2	56
42	Fructooligosaccharides Reduce <i>Pseudomonas aeruginosa</i> PAO1 Pathogenicity through Distinct Mechanisms. <i>PLoS ONE</i> , 2014, 9, e85772.	1.1	25
43	Validation of bovine glycomacropptide as an intestinal anti-inflammatory nutraceutical in the lymphocyte-transfer model of colitis. <i>British Journal of Nutrition</i> , 2014, 111, 1202-1212.	1.2	43
44	Food Derived Bioactive Peptides and Intestinal Barrier Function. <i>International Journal of Molecular Sciences</i> , 2014, 15, 22857-22873.	1.8	80
45	Prebiotic oligosaccharides directly modulate proinflammatory cytokine production in monocytes via activation of TLR4. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1098-1110.	1.5	90
46	Nondigestible oligosaccharides exert nonprebiotic effects on intestinal epithelial cells enhancing the immune response via activation of TLR4 and NF- $\kappa$ B. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 384-393.	1.5	97
47	Stain-free detection as loading control alternative to Ponceau and housekeeping protein immunodetection in Western blotting. <i>Analytical Biochemistry</i> , 2014, 467, 1-3.	1.1	151
48	Intestinal Inflammation and Mucosal Barrier Function. <i>Inflammatory Bowel Diseases</i> , 2014, 20, 2394-2404.	0.9	287
49	Rutin has intestinal antiinflammatory effects in the CD4+ CD62L+ T cell transfer model of colitis. <i>Pharmacological Research</i> , 2014, 90, 48-57.	3.1	85
50	Active hexose correlated compound exerts therapeutic effects in lymphocyte driven colitis. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 2379-2382.	1.5	9
51	Active hexose-correlated compound and <i>Bifidobacterium longum</i> BB536 exert symbiotic effects in experimental colitis. <i>European Journal of Nutrition</i> , 2013, 52, 457-466.	1.8	18
52	Dose-dependent antiinflammatory effect of ursodeoxycholic acid in experimental colitis. <i>International Immunopharmacology</i> , 2013, 15, 372-380.	1.7	76
53	The nutritional supplement Active Hexose Correlated Compound (AHCC) has direct immunomodulatory actions on intestinal epithelial cells and macrophages involving TLR/MyD88 and NF- $\kappa$ B/MAPK activation. <i>Food Chemistry</i> , 2013, 136, 1288-1295.	4.2	23
54	FXR-dependent and -independent interaction of glucocorticoids with the regulatory pathways involved in the control of bile acid handling by the liver. <i>Biochemical Pharmacology</i> , 2013, 85, 829-838.	2.0	25

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55	Host-microbe interactions: the difficult yet peaceful coexistence of the microbiota and the intestinal mucosa. <i>British Journal of Nutrition</i> , 2013, 109, S12-S20.	1.2	31
56	Immunomodulatory Properties of the Protein Fraction from <i>Porphyra columbina</i> . <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8146-8154.	2.4	40
57	Influence of menopause on adipose tissue clock gene genotype and its relationship with metabolic syndrome in morbidly obese women. <i>Age</i> , 2012, 34, 1369-1380.	3.0	17
58	Bioactive properties of peptides obtained by enzymatic hydrolysis from protein byproducts of <i>Porphyra columbina</i> . <i>Food Research International</i> , 2012, 49, 364-372.	2.9	131
59	Bioactive Anti-Obesity Food Components. <i>International Journal for Vitamin and Nutrition Research</i> , 2012, 82, 148-156.	0.6	19
60	Chemoprevention, chemotherapy, and chemoresistance in colorectal cancer. <i>Drug Metabolism Reviews</i> , 2012, 44, 148-172.	1.5	117
61	Exogenous alkaline phosphatase treatment complements endogenous enzyme protection in colonic inflammation and reduces bacterial translocation in rats. <i>Pharmacological Research</i> , 2012, 66, 144-153.	3.1	49
62	Mo2013 Increased IFN- $\gamma$ Production and TH1 Driven Differentiation are Crucial in Immunomodulatory Properties of Pamidronate. <i>Gastroenterology</i> , 2012, 142, S-720.	0.6	0
63	A <i>Porphyra columbina</i> hydrolysate upregulates IL-10 production in rat macrophages and lymphocytes through an NF- $\kappa$ B, and p38 and JNK dependent mechanism. <i>Food Chemistry</i> , 2012, 134, 1982-1990.	4.2	50
64	Bioactive compounds and nutritional significance of virgin argan oil - an edible oil with potential as a functional food. <i>Nutrition Reviews</i> , 2012, 70, 266-279.	2.6	28
65	Sexual Dimorphism in Clock Genes Expression in Human Adipose Tissue. <i>Obesity Surgery</i> , 2012, 22, 105-112.	1.1	26
66	Effects of Flavonoids and other Polyphenols on Inflammation. <i>Critical Reviews in Food Science and Nutrition</i> , 2011, 51, 331-362.	5.4	439
67	Intestinal inflammation and the enterocyte transportome. <i>Biochemical Society Transactions</i> , 2011, 39, 1096-1101.	1.6	6
68	Determination of polyphenols, tocopherols, and antioxidant capacity in virgin argan oil ( <i>Argania</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.0	90
69	Tissue-nonspecific alkaline phosphatase is activated in enterocytes by oxidative stress via changes in glycosylation. <i>Inflammatory Bowel Diseases</i> , 2011, 17, 543-556.	0.9	53
70	Non-absorbable glucids (active hexose correlated compound, inulin and fructooligosaccharides) exert immunomodulatory effects and induce differentiation in several intestinal cell types that are independent of their prebiotic actions. <i>Proceedings of the Nutrition Society</i> , 2010, 69, .	0.4	2
71	New insights into the immunological effects of food bioactive peptides in animal models of intestinal inflammation. <i>Proceedings of the Nutrition Society</i> , 2010, 69, 454-462.	0.4	32
72	The intestinal antiinflammatory agent glycomacropeptide has immunomodulatory actions on rat splenocytes. <i>Biochemical Pharmacology</i> , 2010, 79, 1797-1804.	2.0	42

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73	Reversible Ponceau staining as a loading control alternative to actin in Western blots. <i>Analytical Biochemistry</i> , 2010, 401, 318-320.	1.1	647
74	Flavonoids exert distinct modulatory actions on cyclooxygenase 2 and NF- $\kappa$ B in an intestinal epithelial cell line (IEC18). <i>British Journal of Pharmacology</i> , 2010, 160, 1714-1726.	2.7	36
75	It may not be intestinal, but tissue non-specific alkaline phosphatase. <i>Gut</i> , 2010, 59, 560-560.	6.1	5
76	Bovine Glycomacropeptide Has Intestinal Antiinflammatory Effects in Rats with Dextran Sulfate-Induced Colitis. <i>Journal of Nutrition</i> , 2010, 140, 2014-2019.	1.3	54
77	Differences in AMPK expression between subcutaneous and visceral adipose tissue in morbid obesity. <i>Regulatory Peptides</i> , 2010, 163, 31-36.	1.9	14
78	Molecular bases of impaired water and ion movements in inflammatory bowel diseases. <i>Inflammatory Bowel Diseases</i> , 2009, 15, 114-127.	0.9	57
79	Bovine glycomacropeptide induces cytokine production in human monocytes through the stimulation of the MAPK and the NF- $\kappa$ B signal transduction pathways. <i>British Journal of Pharmacology</i> , 2009, 157, 1232-1240.	2.7	54
80	M1663 The Intestinal Antiinflammatory Agent Glycomacropeptide Has Immunomodulatory Effects On Rat Splenocytes. <i>Gastroenterology</i> , 2009, 136, A-405.	0.6	1
81	T1698 Tissue Nonspecific Alkaline Phosphatase Is Induced in Enterocytes in Response to Inflammation/Oxidative Stress. <i>Gastroenterology</i> , 2009, 136, A-560-A-561.	0.6	0
82	M1650 Pamidronate Has Intestinal Antiinflammatory Effects in Experimental Colitis. <i>Gastroenterology</i> , 2009, 136, A-402-A-403.	0.6	0
83	Genomic analysis of sulfasalazine effect in experimental colitis is consistent primarily with the modulation of NF- $\kappa$ B but not PPAR- $\gamma$ signaling. <i>Pharmacogenetics and Genomics</i> , 2009, 19, 363-372.	0.7	7
84	Bovine glycomacropeptide ameliorates experimental rat ileitis by mechanisms involving downregulation of interleukin 17. <i>British Journal of Pharmacology</i> , 2008, 154, 825-832.	2.7	58
85	Disturbances in metabolic, transport and structural genes in experimental colonic inflammation in the rat: a longitudinal genomic analysis. <i>BMC Genomics</i> , 2008, 9, 490.	1.2	27
86	Effect of flavonoids on rat splenocytes, a structure-activity relationship study. <i>Biochemical Pharmacology</i> , 2008, 76, 495-506.	2.0	74
87	Metal Content and Physicochemical Parameters Used as Quality Criteria in Virgin Argan Oil: Influence of the Extraction Method. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 7279-7284.	2.4	60
88	Intestinal bile acid physiology and pathophysiology. <i>World Journal of Gastroenterology</i> , 2008, 14, 5630.	1.4	129
89	Active Hexose Correlated Compound Acts as a Prebiotic and Is Antiinflammatory in Rats with Hapten-Induced Colitis. <i>Journal of Nutrition</i> , 2007, 137, 1222-1228.	1.3	53
90	The bisphosphonate alendronate improves the damage associated with trinitrobenzenesulfonic acid-induced colitis in rats. <i>British Journal of Pharmacology</i> , 2007, 151, 206-215.	2.7	26

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91	Goat Milk Oligosaccharides Are Anti-Inflammatory in Rats with Hapten-Induced Colitis. <i>Journal of Nutrition</i> , 2006, 136, 672-676.	1.3	109
92	Bovine Glycomacropeptide Is Anti-Inflammatory in Rats with Hapten-Induced Colitis. <i>Journal of Nutrition</i> , 2005, 135, 1164-1170.	1.3	80
93	Experimental inflammation of the rat distal colon inhibits ion secretion in the proximal colon by affecting the enteric nervous system. <i>Naunyn-Schmiedeberg's Archives of Pharmacology</i> , 2005, 371, 114-121.	1.4	15
94	Anti-inflammatory effect of diosmectite in hapten-induced colitis in the rat. <i>British Journal of Pharmacology</i> , 2004, 141, 951-960.	2.7	74
95	Induction of alkaline phosphatase in the inflamed intestine: a novel pharmacological target for inflammatory bowel disease. <i>Biochemical Pharmacology</i> , 2004, 68, 2317-2326.	2.0	83
96	Intestinal anti-inflammatory activity of dietary fiber ( <i>Plantago ovata</i> seeds) in HLA-B27 transgenic rats. <i>Clinical Nutrition</i> , 2003, 22, 463-471.	2.3	93
97	Disturbances of colonic ion secretion in inflammation: role of the enteric nervous system and cAMP. <i>Pflugers Archiv European Journal of Physiology</i> , 2002, 444, 378-388.	1.3	29
98	Effect of psychogenic stress on gastrointestinal function. <i>Journal of Physiology and Biochemistry</i> , 2000, 56, 259-273.	1.3	9
99	Dietary Nucleotides Might Influence the Humoral Immune Response against Cow's Milk Proteins in Preterm Neonates. <i>Neonatology</i> , 1997, 71, 215-223.	0.9	37
100	Dietary nucleotides may influence the humoral immunity in immunocompromised children. <i>Nutrition</i> , 1997, 13, 465-469.	1.1	23
101	Exogenous Nucleotides Alter the Proliferation, Differentiation and Apoptosis of Human Small Intestinal Epithelium. <i>Journal of Nutrition</i> , 1996, 126, 424-433.	1.3	49
102	Effects of Native and Hydrolyzed Whey Protein on Intestinal Repair of Severely Starved Rats at Weaning. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1996, 22, 186-193.	0.9	11
103	Protein v. enzymic protein hydrolysates. Nitrogen utilization in starved rats. <i>British Journal of Nutrition</i> , 1995, 73, 65-71.	1.2	39
104	Serum Amino Acid Concentrations in Growing Rats Fed Intact Protein versus Enzymatic Protein Hydrolysate-Based Diets. <i>Neonatology</i> , 1995, 68, 55-61.	0.9	11
105	A rapid gas-liquid chromatography method for the determination of lactulose and mannitol in urine: Clinical application in studies of intestinal permeability. <i>Clinical Biochemistry</i> , 1995, 28, 401-405.	0.8	18
106	Influence of Casein and Casein Hydrolysate Diets on Nutritional Recovery of Starved Rats. <i>Journal of Parenteral and Enteral Nutrition</i> , 1995, 19, 216-221.	1.3	13
107	Nutritional and Antigenic Characterization of an Enzymic Whey Protein Hydrolyzate. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 872-875.	2.4	20