Marta Calatayud

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.

49 papers	1,104 citations	19 h-index	32 g-index
57 ext. papers	1,409 ext. citations	5.9 avg, IF	4.72 L-index

#	Paper	IF	Citations
49	Butyrate-producing bacteria supplemented in vitro to Crohn's disease patient microbiota increased butyrate production and enhanced intestinal epithelial barrier integrity. *Scientific Reports*, **2017**, 7, 11450	4.9	203
48	In vitro study of transporters involved in intestinal absorption of inorganic arsenic. *Chemical Research in Toxicology*, **2012**, 25, 446-53	4	59
47	Active films based on cocoa extract with antioxidant, antimicrobial and biological applications. *Food Chemistry*, **2013**, 139, 51-8	8.5	58
46	Mercury and selenium in fish and shellfish: occurrence, bioaccessibility and uptake by Caco-2 cells. *Food and Chemical Toxicology*, **2012**, 50, 2696-702	4.7	54
45	Comparison of a static and a dynamic in vitro model to estimate the bioaccessibility of As, Cd, Pb and Hg from food reference materials Fucus sp. (IAEA-140/TM) and Lobster hepatopancreas (TORT-2). *Science of the Total Environment*, **2011**, 409, 604-11	10.2	48
44	Characterization of the intestinal absorption of arsenate, monomethylarsonic acid, and dimethylarsinic acid using the Caco-2 cell line. *Chemical Research in Toxicology*, **2010**, 23, 547-56	4	48
43	Propionate-Producing Consortium Restores Antibiotic-Induced Dysbiosis in a Dynamic Model of the Human Intestinal Microbial Ecosystem. *Frontiers in Microbiology*, **2019**, 10, 1206	5.7	46
42	Differential toxicity and gene expression in Caco-2 cells exposed to arsenic species. *Toxicology Letters*, **2013**, 218, 70-80	4.4	42
41	Toxic trace elements at gastrointestinal level. *Food and Chemical Toxicology*, **2015**, 86, 163-75	4.7	41
40	Maternal Microbiome and Metabolic Health Program Microbiome Development and Health of the Offspring. *Trends in Endocrinology and Metabolism*, **2019**, 30, 735-744	8.8	36
39	Trivalent arsenic species induce changes in expression and levels of proinflammatory cytokines in intestinal epithelial cells. *Toxicology Letters*, **2014**, 224, 40-6	4.4	36
38	In vitro study of intestinal transport of inorganic and methylated arsenic species by Caco-2/HT29-MTX cocultures. *Chemical Research in Toxicology*, **2012**, 25, 2654-62	4	36
37	In vitro study of intestinal transport of arsenite, monomethylarsonous acid, and dimethylarsinous acid by Caco-2 cell line. *Toxicology Letters*, **2011**, 204, 127-33	4.4	35
36	Intestinal transport of methylmercury and inorganic mercury in various models of Caco-2 and HT29-MTX cells. *Toxicology*, **2013**, 311, 147-53	4.4	32
35	Urolithin Metabotypes Can Determine the Modulation of Gut Microbiota in Healthy Individuals by Tracking Walnuts Consumption over Three Days. *Nutrients*, **2019**, 11,	6.7	29
34	Metabolism of inorganic arsenic in intestinal epithelial cell lines. *Chemical Research in Toxicology*, **2012**, 25, 2402-11	4	28
33	Salivary and Gut Microbiomes Play a Significant Role in in Vitro Oral Bioaccessibility, Biotransformation, and Intestinal Absorption of Arsenic from Food. *Environmental Science & Technology*, **2018**, 52, 14422-14435	10.3	26

32	Transformation of arsenic species during in vitro gastrointestinal digestion of vegetables. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 12164-70	5.7	21
31	Perinatal environment shapes microbiota colonization and infant growth: impact on host response and intestinal function. *Microbiome*, **2020**, 8, 167	16.6	20
30	Maternal Diet Shapes the Breast Milk Microbiota Composition and Diversity: Impact of Mode of Delivery and Antibiotic Exposure. *Journal of Nutrition*, **2021**, 151, 330-340	4.1	16
29	Estimated intake levels of methylmercury in children, childbearing age and pregnant women in a Mediterranean region, Murcia, Spain. *European Journal of Pediatrics*, **2009**, 168, 1075-80	4.1	15
28	Short-term supplementation of celecoxib-shifted butyrate production on a simulated model of the gut microbial ecosystem and ameliorated in vitro inflammation. *Npj Biofilms and Microbiomes*, **2020**, 6, 9	8.2	13
27	Supplementation of a propionate-producing consortium improves markers of insulin resistance in an in vitro model of gut-liver axis. *American Journal of Physiology - Endocrinology and Metabolism*, **2020**, 318, E742-E749	6	13
26	Modelling upper respiratory tract diseases: getting grips on host-microbe interactions in chronic rhinosinusitis using in vitro technologies. *Microbiome*, **2018**, 6, 75	16.6	13
25	Development of a host-microbiome model of the small intestine. *FASEB Journal*, **2019**, 33, 3985-3996	0.9	13
24	Maternal diet during pregnancy and intestinal markers are associated with early gut microbiota. *European Journal of Nutrition*, **2021**, 60, 1429-1442	5.2	13
23	Arsenic exposure of child populations in Northern Argentina. *Science of the Total Environment*, **2019**, 669, 1-6	10.2	12
22	Proinflammatory effect of trivalent arsenical species in a co-culture of Caco-2 cells and peripheral blood mononuclear cells. *Archives of Toxicology*, **2015**, 89, 555-64	5.8	11
21	Resolving host-microbe interactions in the gut: the promise of in vitro models to complement in vivo research. *Current Opinion in Microbiology*, **2018**, 44, 28-33	7.9	11
20	Dual and Triple Epithelial Coculture Model Systems with Donor-Derived Microbiota and THP-1 Macrophages To Mimic Host-Microbe Interactions in the Human Sinonasal Cavities. *MSphere*, **2020**, 5,	5	10
19	Glutathione-enriched bakerâ€™s yeast: production, bioaccessibility and intestinal transport assays. *Journal of Applied Microbiology*, **2014**, 116, 304-13	4.7	9
18	Antioxidant Vitamins and Prebiotic FOS and XOS Differentially Shift Microbiota Composition and Function and Improve Intestinal Epithelial Barrier In Vitro. *Nutrients*, **2021**, 13,	6.7	8
17	Insights into cancer and neurodegenerative diseases through selenoproteins and the connection with gut microbiota - current analytical methodologies. *Expert Review of Proteomics*, **2019**, 16, 805-814	4.2	7
16	Lacticaseibacillus casei AMBR2 modulates the epithelial barrier function and immune response in a donor-derived nasal microbiota manner. *Scientific Reports*, **2020**, 10, 16939	4.9	7
15	Evaluation of exposure to fluoride in child population of North Argentina. *Environmental Science and Pollution Research*, **2017**, 24, 22040-22047	5.1	5

14	The response of five intestinal cell lines to anoxic conditions in vitro. *Biology of the Cell*, **2019**, 111, 232-244	3.5	4
13	Comparative Effect of 22 Dietary Sources of Fiber on Gut Microbiota of Healthy Humans. *Frontiers in Nutrition*, **2021**, 8, 700571	6.2	4
12	A review of the impact of xenobiotics from dietary sources on infant health: Early life exposures and the role of the microbiota. *Environmental Pollution*, **2021**, 269, 115994	9.3	4
11	Maternal Microbiota, Cortisol Concentration, and Post-Partum Weight Recovery are Dependent on Mode of Delivery. *Nutrients*, **2020**, 12,	6.7	3
10	Arsenic from food: biotransformations and risk assessment. *Current Opinion in Food Science*, **2015**, 6, 1-6	9.8	3
9	Assessing the Viability of a Synthetic Bacterial Consortium on the In Vitro Gut Host-microbe Interface. *Journal of Visualized Experiments*, **2018**,	1.6	2
8	Arsenic Through the Gastrointestinal Tract **2015**, 281-299		2
7	Chitin Glucan Shifts Luminal and Mucosal Microbial Communities, Improve Epithelial Barrier and Modulates Cytokine Production In Vitro. *Nutrients*, **2021**, 13,	6.7	2
6	Influence of Geographical Location on Maternal-Infant Microbiota: Study in Two Populations From Asia and Europe.. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 663513	5.9	1
5	Versatile human in vitro triple coculture model coincubated with adhered gut microbes reproducibly mimics pro-inflammatory host-microbe interactions in the colon. *FASEB Journal*, **2021**, 35, e21992	0.9	1
4	Delivery of Metabolically Neuroactive Probiotics to the Human Gut. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
3	Omic methodologies for assessing metal(-loid)s-host-microbiota interplay: A review. *Analytica Chimica Acta*, **2021**, 1176, 338620	6.6	0
2	Comparison of protection and release behavior of different capsule polymer combinations based on L. acidophilus survivability and function and caffeine release. *International Journal of Pharmaceutics*, **2021**, 607, 120977	6.5	0
1	Gut microbiota metabolize arsenolipids in a donor dependent way. *Ecotoxicology and Environmental Safety*, **2022**, 239, 113662	7	0