

Martin Gotteland

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.

81
papers

3,278
citations

33
h-index

55
g-index

85
ext. papers

4,167
ext. citations

4.4
avg, IF

5.47
L-index

#	Paper	IF	Citations
81	The Firmicutes/Bacteroidetes Ratio: A Relevant Marker of Gut Dysbiosis in Obese Patients?. <i>Nutrients</i> , 2020 , 12,	6.7	305
80	Intestinal luminal nitrogen metabolism: role of the gut microbiota and consequences for the host. <i>Pharmacological Research</i> , 2013 , 68, 95-107	10.2	253
79	Systematic review: are probiotics useful in controlling gastric colonization by Helicobacter pylori?. <i>Alimentary Pharmacology and Therapeutics</i> , 2006 , 23, 1077-86	6.1	168
78	Effect of the ingestion of a dietary product containing Lactobacillus johnsonii La1 on Helicobacter pylori colonization in children. <i>Nutrition</i> , 2003 , 19, 716-21	4.8	134
77	The Gut Microbiota of Healthy Chilean Subjects Reveals a High Abundance of the Phylum Verrucomicrobia. <i>Frontiers in Microbiology</i> , 2017 , 8, 1221	5.7	125
76	Effect of Lactobacillus ingestion on the gastrointestinal mucosal barrier alterations induced by indometacin in humans. <i>Alimentary Pharmacology and Therapeutics</i> , 2001 , 15, 11-7	6.1	125
75	Re-print of "Intestinal luminal nitrogen metabolism: role of the gut microbiota and consequences for the host". <i>Pharmacological Research</i> , 2013 , 69, 114-26	10.2	111
74	Modulation of Helicobacter pylori colonization with cranberry juice and Lactobacillus johnsonii La1 in children. <i>Nutrition</i> , 2008 , 24, 421-6	4.8	109
73	Differential protective effects of quercetin, resveratrol, rutin and epigallocatechin gallate against mitochondrial dysfunction induced by indomethacin in Caco-2 cells. <i>Chemico-Biological Interactions</i> , 2012 , 195, 199-205	5	105
72	Effect of a milk formula with prebiotics on the intestinal microbiota of infants after an antibiotic treatment. <i>Pediatric Research</i> , 2006 , 59, 451-6	3.2	100
71	Polyphenols protect the epithelial barrier function of Caco-2 cells exposed to indomethacin through the modulation of occludin and zonula occludens-1 expression. <i>Journal of Agricultural and Food Chemistry</i> , 2013 , 61, 5291-7	5.7	83
70	The deleterious metabolic and genotoxic effects of the bacterial metabolite p-cresol on colonic epithelial cells. <i>Free Radical Biology and Medicine</i> , 2015 , 85, 219-27	7.8	78
69	Effect of regular ingestion of Saccharomyces boulardii plus inulin or Lactobacillus acidophilus LB in children colonized by Helicobacter pylori. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 1747-51	3.1	70
68	Suppressive effect of frequent ingestion of Lactobacillus johnsonii La1 on Helicobacter pylori colonization in asymptomatic volunteers. <i>Journal of Antimicrobial Chemotherapy</i> , 2003 , 51, 1317-9	5.1	58
67	Review article: intestinal barrier dysfunction and central nervous system disorders--a controversial association. <i>Alimentary Pharmacology and Therapeutics</i> , 2014 , 40, 1187-201	6.1	52
66	Molecular mechanisms of gastrointestinal protection by quercetin against indomethacin-induced damage: role of NF- κ B and Nrf2. <i>Journal of Nutritional Biochemistry</i> , 2016 , 27, 289-98	6.3	48
65	3,4-Dihydroxyphenylacetic acid, a microbiota-derived metabolite of quercetin, protects against pancreatic β cells dysfunction induced by high cholesterol. <i>Experimental Cell Research</i> , 2015 , 334, 270-82	4.2	48

64	Amoxicillin treatment modifies the composition of Bifidobacterium species in infant intestinal microbiota. <i>Anaerobe</i> , 2010 , 16, 433-8	2.8	47
63	The Gastrointestinal Tract as a Key Target Organ for the Health-Promoting Effects of Dietary Proanthocyanidins. <i>Frontiers in Nutrition</i> , 2016 , 3, 57	6.2	46
62	Loss of the metal binding properties of metallothionein induced by hydrogen peroxide and free radicals. <i>Toxicology</i> , 1997 , 120, 37-46	4.4	46
61	Nutritional support in alcoholic cirrhotic patients improves host defenses. <i>Journal of the American College of Nutrition</i> , 1999 , 18, 434-41	3.5	44
60	Is a leaky gut involved in the pathogenesis of intrahepatic cholestasis of pregnancy?. <i>Hepatology</i> , 2006 , 43, 715-22	11.2	43
59	Impact of Dietary Lipids on Colonic Function and Microbiota: An Experimental Approach Involving Orlistat-Induced Fat Malabsorption in Human Volunteers. <i>Clinical and Translational Gastroenterology</i> , 2016 , 7, e161	4.2	43
58	The Elevated Rate of Cesarean Section and Its Contribution to Non-Communicable Chronic Diseases in Latin America: The Growing Involvement of the Microbiota. <i>Frontiers in Pediatrics</i> , 2017 , 5, 192	3.4	41
57	Modulation of the fecal microbiota by the intake of a Lactobacillus johnsonii La1-containing product in human volunteers. <i>FEMS Microbiology Letters</i> , 2005 , 248, 249-56	2.9	40
56	Acemannan and Fructans from Aloe vera (Aloe barbadensis Miller) Plants as Novel Prebiotics. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 10029-10039	5.7	39
55	Characterization of human intestinal bifidobacteria using competitive PCR and PCR-TTGE. <i>FEMS Microbiology Ecology</i> , 2006 , 55, 28-37	4.3	39
54	Deleterious Effect of p-Cresol on Human Colonic Epithelial Cells Prevented by Proanthocyanidin-Containing Polyphenol Extracts from Fruits and Proanthocyanidin Bacterial Metabolites. <i>Journal of Agricultural and Food Chemistry</i> , 2016 , 64, 3574-83	5.7	39
53	Apple peel polyphenols protect against gastrointestinal mucosa alterations induced by indomethacin in rats. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 6459-66	5.7	37
52	Protection by apple peel polyphenols against indometacin-induced oxidative stress, mitochondrial damage and cytotoxicity in Caco-2 cells. <i>Journal of Pharmacy and Pharmacology</i> , 2010 , 62, 943-950	4.8	37
51	Quercetin and Epigallocatechin Gallate in the Prevention and Treatment of Obesity: From Molecular to Clinical Studies. <i>Journal of Medicinal Food</i> , 2019 , 22, 753-770	2.8	34
50	Stimulation of cytosolic and mitochondrial calcium mobilization by indomethacin in Caco-2 cells: modulation by the polyphenols quercetin, resveratrol and rutin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2012 , 1820, 2052-61	4	33
49	Apple peel polyphenol extract protects against indomethacin-induced damage in Caco-2 cells by preventing mitochondrial complex I inhibition. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 11507-8	5.7	33
48	Local and systemic liberation of proinflammatory cytokines in ulcerative colitis. <i>Digestive Diseases and Sciences</i> , 1999 , 44, 830-5	4	33
47	Effects of probiotic or prebiotic supplemented milk formulas on fecal microbiota composition of infants. <i>Asia Pacific Journal of Clinical Nutrition</i> , 2006 , 15, 368-76	1	33

46	Prebiotic ingestion does not improve gastrointestinal barrier function in burn patients. <i>Burns</i> , 2005 , 31, 482-8	2.3	31
45	Effect of acute copper exposure on gastrointestinal permeability in healthy volunteers. <i>Digestive Diseases and Sciences</i> , 2001 , 46, 1909-14	4	31
44	Acute nutritional and intestinal changes after pelvic radiation. <i>Journal of the American College of Nutrition</i> , 2001 , 20, 637-42	3.5	28
43	Protective effects of boldine against free radical-induced erythrocyte lysis. <i>Phytotherapy Research</i> , 2000 , 14, 339-43	6.7	28
42	Antigen absorption in rabbit bacterial diarrhea (RDEC-1). In vitro modifications in ileum and Peyer's patches. <i>Digestive Diseases and Sciences</i> , 1990 , 35, 360-6	4	28
41	Sulforaphane Protects against High Cholesterol-Induced Mitochondrial Bioenergetics Impairments, Inflammation, and Oxidative Stress and Preserves Pancreatic β -Cells Function. <i>Oxidative Medicine and Cellular Longevity</i> , 2017 , 2017, 3839756	6.7	27
40	Protective effect of boldine in experimental colitis. <i>Planta Medica</i> , 1997 , 63, 311-5	3.1	27
39	Sucrose permeability in children with gastric damage and Helicobacter pylori infection. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1997 , 24, 506-11	2.8	26
38	Anti-inflammatory effect of microbial consortia during the utilization of dietary polysaccharides. <i>Food Research International</i> , 2018 , 109, 14-23	7	24
37	Probiotic screening and safety evaluation of Lactobacillus strains from plants, artisanal goat cheese, human stools, and breast milk. <i>Journal of Medicinal Food</i> , 2014 , 17, 487-95	2.8	19
36	Anxiogenic effects of a Lactobacillus, inulin and the synbiotic on healthy juvenile rats. <i>Neuroscience</i> , 2017 , 359, 18-29	3.9	19
35	Spray Freeze-Drying as an Alternative to the Ionic Gelation Method to Produce Chitosan and Alginate Nano-Particles Targeted to the Colon. <i>Journal of Pharmaceutical Sciences</i> , 2015 , 104, 4373-4385	3.9	18
34	Butyrate and the Fine-Tuning of Colonic Homeostasis: Implication for Inflammatory Bowel Diseases. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	18
33	Urinary D-lactate excretion in infants receiving Lactobacillus johnsonii with formula. <i>Annals of Nutrition and Metabolism</i> , 2008 , 53, 240-4	4.5	16
32	The Pros and Cons of Using Algal Polysaccharides as Prebiotics. <i>Frontiers in Nutrition</i> , 2020 , 7, 163	6.2	16
31	Overuse of Non-caloric Sweeteners in Foods and Beverages in Chile: A Threat to Consumers' Free Choice?. <i>Frontiers in Nutrition</i> , 2020 , 7, 68	6.2	15
30	Antigen absorption in bacterial diarrhea: in vivo intestinal transport of beta-lactoglobulin in rabbits infected with the entero-adherent Escherichia coli strain RDEC-1. <i>Pediatric Research</i> , 1989 , 26, 237-40	3.2	15
29	Polyphenol extracts interfere with bacterial lipopolysaccharide in vitro and decrease postprandial endotoxemia in human volunteers. <i>Journal of Functional Foods</i> , 2016 , 26, 406-417	5.1	14

28	What goes around comes around: novel pharmacological targets in the gut-brain axis. <i>Therapeutic Advances in Gastroenterology</i> , 2016 , 9, 339-53	4.7	14
27	Effect of acute cigarette smoking, alone or with alcohol, on gastric barrier function in healthy volunteers. <i>Digestive and Liver Disease</i> , 2002 , 34, 702-6	3.3	14
26	Effect of a proanthocyanidin-rich polyphenol extract from avocado on the production of amino acid-derived bacterial metabolites and the microbiota composition in rats fed a high-protein diet. <i>Food and Function</i> , 2019 , 10, 4022-4035	6.1	13
25	Paraventricular-coerulear interactions: role in hypertension induced by prenatal undernutrition in the rat. <i>European Journal of Neuroscience</i> , 2006 , 24, 1209-19	3.5	13
24	Effect of regular ingestion of <i>Saccharomyces boulardii</i> plus inulin or <i>Lactobacillus acidophilus</i> LB in children colonized by <i>Helicobacter pylori</i> . <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 1747-1751	3.1	12
23	Quercetin Oxidation Metabolite Present in Onion Peel Protects Caco-2 Cells against the Oxidative Stress, NF-kB Activation, and Loss of Epithelial Barrier Function Induced by NSAIDs. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 2157-2167	5.7	12
22	Proanthocyanidin-containing polyphenol extracts from fruits prevent the inhibitory effect of hydrogen sulfide on human colonocyte oxygen consumption. <i>Amino Acids</i> , 2018 , 50, 755-763	3.5	11
21	Release of prednisolone and inulin from a new calcium-alginate chitosan-coated matrix system for colonic delivery. <i>Journal of Pharmaceutical Sciences</i> , 2013 , 102, 2748-59	3.9	11
20	Can the amount of <i>Helicobacter pylori</i> in the stomach be kept low through probiotic intake?. <i>American Journal of Clinical Nutrition</i> , 2005 , 81, 939; aithor reply 939-40	7	11
19	Protective Effect of an Avocado Peel Polyphenolic Extract Rich in Proanthocyanidins on the Alterations of Colonic Homeostasis Induced by a High-Protein Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2019 , 67, 11616-11626	5.7	10
18	Design, development and evaluation of nanoemulsion containing avocado peel extract with anticancer potential: A novel biological active ingredient to enrich food. <i>Food Hydrocolloids</i> , 2021 , 111, 106370	10.6	10
17	The intake of maqui (<i>Aristotelia chilensis</i>) berry extract normalizes H ₂ O ₂ and IL-6 concentrations in exhaled breath condensate from healthy smokers - an explorative study. <i>Nutrition Journal</i> , 2015 , 14, 27	4.3	9
16	Gastric permeability is not increased in children colonized by CagA-positive strains of <i>Helicobacter pylori</i> . <i>Digestive and Liver Disease</i> , 2001 , 33, 750-4	3.3	9
15	Effect of the Synbiotic (<i>B. animalis</i> spp. <i>lactis</i> Bb12 + Oligofructose) in Obese Subjects. A Randomized, Double-Blind, Controlled Clinical Trial. <i>Journal of Food and Nutrition Research (Newark, Del)</i> , 2014 , 2, 491-498	1.9	9
14	Polyphenols and their anti-obesity role mediated by the gut microbiota: a comprehensive review. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2021 , 22, 367-388	10.5	8
13	In vivo effect of yogurt on excretion of enteropathogen <i>Escherichia coli</i> RDEC-1 during acute diarrhea in the just-weaned rabbit. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 1992 , 14, 264-7	2.8	6
12	Coerulear activation by crh and its role in hypertension induced by prenatal malnutrition in the rat. <i>International Journal of Neuroscience</i> , 2007 , 117, 627-42	2	5
11	Fitoquímicos: una nueva clase de prebióticos. <i>Revista Chilena De Nutricion</i> , 2020 , 47, 317-327	0.9	5

10	Identification of Lactobacillus spp. in colostrum from Chilean mothers. <i>Archivos Latinoamericanos De Nutricion</i> , 2011 , 61, 66-8	0.1	3
9	Alterations in human milk leptin and insulin are associated with early changes in the infant intestinal microbiome. <i>American Journal of Clinical Nutrition</i> , 2017 , 105, 234	7	2
8	La microbiota intestinal: Un nuevo actor en el desarrollo de la obesidad. <i>Revista Medica De Chile</i> , 2010 , 138,	0.5	2
7	Probiotics and Prebiotics in Human Health 2010 , 73-93		2
6	Effect of cow milk protein absorption on the anaphylactic and systemic immune responses of young rabbits during bacterial diarrhoea. <i>International Archives of Allergy and Immunology</i> , 1992 , 97, 78-82	3.7	2
5	Comparison of Argentinean microbiota with other geographical populations reveals different taxonomic and functional signatures associated with obesity. <i>Scientific Reports</i> , 2021 , 11, 7762	4.9	2
4	Prevalencia de hipolactasia en escolares de la Región Metropolitana. <i>Revista Chilena De Nutricion</i> , 2013 , 40, 257-261	0.9	1
3	Interference of dietary polyphenols with potentially toxic amino acid metabolites derived from the colonic microbiota. <i>Amino Acids</i> , 2021 , 1	3.5	0
2	Functional Food in Child Nutrition 2010 , 440-458		
1	The Future of Prebiotics and Probiotics 2013 , 464-493		