Martin Gotteland

List of Publications by Year in Descending Order

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	Butyrate and the Fine-Tuning of Colonic Homeostasis: Implication for Inflammatory Bowel Diseases. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	18
80	Comparison of Argentinean microbiota with other geographical populations reveals different taxonomic and functional signatures associated with obesity. *Scientific Reports*, **2021**, 11, 7762	4.9	2
79	Design, development and evaluation of nanoemulsion containing avocado peel extract with anticancer potential: A novel biological active ingredient to enrich food. *Food Hydrocolloids*, **2021**, 111, 106370	10.6	10
78	Polyphenols and their anti-obesity role mediated by the gut microbiota: a comprehensive review. *Reviews in Endocrine and Metabolic Disorders*, **2021**, 22, 367-388	10.5	8
77	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. *Journal of Agricultural and Food Chemistry*, **2021**, 69, 2157-2167	5.7	12
76	Interference of dietary polyphenols with potentially toxic amino acid metabolites derived from the colonic microbiota. *Amino Acids*, **2021**, 1	3.5	0
75	The Firmicutes/Bacteroidetes Ratio: A Relevant Marker of Gut Dysbiosis in Obese Patients?. *Nutrients*, **2020**, 12,	6.7	305
74	Overuse of Non-caloric Sweeteners in Foods and Beverages in Chile: A Threat to Consumers Free Choice?. *Frontiers in Nutrition*, **2020**, 7, 68	6.2	15
73	Fitoquímicos: una nueva clase de prebióticos. *Revista Chilena De Nutricion*, **2020**, 47, 317-327	0.9	5
72	The Pros and Cons of Using Algal Polysaccharides as Prebiotics. *Frontiers in Nutrition*, **2020**, 7, 163	6.2	16
71	Protective Effect of an Avocado Peel Polyphenolic Extract Rich in Proanthocyanidins on the Alterations of Colonic Homeostasis Induced by a High-Protein Diet. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 11616-11626	5.7	10
70	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. *Food and Function*, **2019**, 10, 4022-4035	6.1	13
69	Quercetin and Epigallocatechin Gallate in the Prevention and Treatment of Obesity: From Molecular to Clinical Studies. *Journal of Medicinal Food*, **2019**, 22, 753-770	2.8	34
68	Anti-inflammatory effect of microbial consortia during the utilization of dietary polysaccharides. *Food Research International*, **2018**, 109, 14-23	7	24
67	Proanthocyanidin-containing polyphenol extracts from fruits prevent the inhibitory effect of hydrogen sulfide on human colonocyte oxygen consumption. *Amino Acids*, **2018**, 50, 755-763	3.5	11
66	Alterations in human milk leptin and insulin are associated with early changes in the infant intestinal microbiome. *American Journal of Clinical Nutrition*, **2017**, 105, 234	7	2
65	Acemannan and Fructans from Aloe vera (Aloe barbadensis Miller) Plants as Novel Prebiotics. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 10029-10039	5.7	39

64	Anxiogenic effects of a Lactobacillus, inulin and the synbiotic on healthy juvenile rats. *Neuroscience*, **2017**, 359, 18-29	3.9	19
63	The Gut Microbiota of Healthy Chilean Subjects Reveals a High Abundance of the Phylum Verrucomicrobia. *Frontiers in Microbiology*, **2017**, 8, 1221	5.7	125
62	The Elevated Rate of Cesarean Section and Its Contribution to Non-Communicable Chronic Diseases in Latin America: The Growing Involvement of the Microbiota. *Frontiers in Pediatrics*, **2017**, 5, 192	3.4	41
61	Sulforaphane Protects against High Cholesterol-Induced Mitochondrial Bioenergetics Impairments, Inflammation, and Oxidative Stress and Preserves Pancreatic -Cells Function. *Oxidative Medicine and Cellular Longevity*, **2017**, 2017, 3839756	6.7	27
60	Polyphenol extracts interfere with bacterial lipopolysaccharide in vitro and decrease postprandial endotoxemia in human volunteers. *Journal of Functional Foods*, **2016**, 26, 406-417	5.1	14
59	What goes around comes around: novel pharmacological targets in the gut-brain axis. *Therapeutic Advances in Gastroenterology*, **2016**, 9, 339-53	4.7	14
58	Molecular mechanisms of gastrointestinal protection by quercetin against indomethacin-induced damage: role of NF-B and Nrf2. *Journal of Nutritional Biochemistry*, **2016**, 27, 289-98	6.3	48
57	The Gastrointestinal Tract as a Key Target Organ for the Health-Promoting Effects of Dietary Proanthocyanidins. *Frontiers in Nutrition*, **2016**, 3, 57	6.2	46
56	Deleterious Effect of p-Cresol on Human Colonic Epithelial Cells Prevented by Proanthocyanidin-Containing Polyphenol Extracts from Fruits and Proanthocyanidin Bacterial Metabolites. *Journal of Agricultural and Food Chemistry*, **2016**, 64, 3574-83	5.7	39
55	Impact of Dietary Lipids on Colonic Function and Microbiota: An Experimental Approach Involving Orlistat-Induced Fat Malabsorption in Human Volunteers. *Clinical and Translational Gastroenterology*, **2016**, 7, e161	4.2	43
54	The deleterious metabolic and genotoxic effects of the bacterial metabolite p-cresol on colonic epithelial cells. *Free Radical Biology and Medicine*, **2015**, 85, 219-27	7.8	78
53	The intake of maqui (Aristotelia chilensis) berry extract normalizes H2O2 and IL-6 concentrations in exhaled breath condensate from healthy smokers - an explorative study. *Nutrition Journal*, **2015**, 14, 27	4.3	9
52	3,4-Dihydroxyphenylacetic acid, a microbiota-derived metabolite of quercetin, protects against pancreatic -cells dysfunction induced by high cholesterol. *Experimental Cell Research*, **2015**, 334, 270-82	4.2	48
51	Spray Freeze-Drying as an Alternative to the Ionic Gelation Method to Produce Chitosan and Alginate Nano-Particles Targeted to the Colon. *Journal of Pharmaceutical Sciences*, **2015**, 104, 4373-4385	3.9	18
50	Probiotic screening and safety evaluation of Lactobacillus strains from plants, artisanal goat cheese, human stools, and breast milk. *Journal of Medicinal Food*, **2014**, 17, 487-95	2.8	19
49	Review article: intestinal barrier dysfunction and central nervous system disorders--a controversial association. *Alimentary Pharmacology and Therapeutics*, **2014**, 40, 1187-201	6.1	52
48	Effect of the Synbiotic (B. animalis spp. lactis Bb12 + Oligofructose) in Obese Subjects. A Randomized, Double-Blind, Controlled Clinical Trial. *Journal of Food and Nutrition Research (Newark, Del)*, **2014**, 2, 491-498	1.9	9
47	Release of prednisolone and inulin from a new calcium-alginate chitosan-coated matrix system for colonic delivery. *Journal of Pharmaceutical Sciences*, **2013**, 102, 2748-59	3.9	11

46	Re-print of "Intestinal luminal nitrogen metabolism: role of the gut microbiota and consequences for the host". *Pharmacological Research*, **2013**, 69, 114-26	10.2	111
45	Intestinal luminal nitrogen metabolism: role of the gut microbiota and consequences for the host. *Pharmacological Research*, **2013**, 68, 95-107	10.2	253
44	Polyphenols protect the epithelial barrier function of Caco-2 cells exposed to indomethacin through the modulation of occludin and zonula occludens-1 expression. *Journal of Agricultural and Food Chemistry*, **2013**, 61, 5291-7	5.7	83
43	Prevalencia de hipolactasia en escolares de la Regi□ Metropolitana. *Revista Chilena De Nutricion*, **2013**, 40, 257-261	0.9	1
42	The Future of Prebiotics and Probiotics **2013**, 464-493		
41	Stimulation of cytosolic and mitochondrial calcium mobilization by indomethacin in Caco-2 cells: modulation by the polyphenols quercetin, resveratrol and rutin. *Biochimica Et Biophysica Acta - General Subjects*, **2012**, 1820, 2052-61	4	33
40	Differential protective effects of quercetin, resveratrol, rutin and epigallocatechin gallate against mitochondrial dysfunction induced by indomethacin in Caco-2 cells. *Chemico-Biological Interactions*, **2012**, 195, 199-205	5	105
39	Apple peel polyphenols protect against gastrointestinal mucosa alterations induced by indomethacin in rats. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 6459-66	5.7	37
38	Apple peel polyphenol extract protects against indomethacin-induced damage in Caco-2 cells by preventing mitochondrial complex I inhibition. *Journal of Agricultural and Food Chemistry*, **2011**, 59, 11501-8	5.7	33
37	Identification of Lactobacillus spp. in colostrum from Chilean mothers. *Archivos Latinoamericanos De Nutricion*, **2011**, 61, 66-8	0.1	3
36	La microbiota intestinal: Un nuevo actor en el desarrollo de la obesidad. *Revista Medica De Chile*, **2010**, 138,	0.5	2
35	Probiotics and Prebiotics in Human Health **2010**, 73-93		2
34	Protection by apple peel polyphenols against indometacin-induced oxidative stress, mitochondrial damage and cytotoxicity in Caco-2 cells. *Journal of Pharmacy and Pharmacology*, **2010**, 62, 943-950	4.8	37
33	Amoxicillin treatment modifies the composition of Bifidobacterium species in infant intestinal microbiota. *Anaerobe*, **2010**, 16, 433-8	2.8	47
32	Functional Food in Child Nutrition **2010**, 440-458		
31	Modulation of Helicobacter pylori colonization with cranberry juice and Lactobacillus johnsonii La1 in children. *Nutrition*, **2008**, 24, 421-6	4.8	109
30	Urinary D-lactate excretion in infants receiving Lactobacillus johnsonii with formula. *Annals of Nutrition and Metabolism*, **2008**, 53, 240-4	4.5	16
29	Coerulear activation by crh and its role in hypertension induced by prenatal malnutrition in the rat. *International Journal of Neuroscience*, **2007**, 117, 627-42	2	5

28	Is a leaky gut involved in the pathogenesis of intrahepatic cholestasis of pregnancy?. *Hepatology*, **2006**, 43, 715-22	11.2	43
27	Effect of a milk formula with prebiotics on the intestinal microbiota of infants after an antibiotic treatment. *Pediatric Research*, **2006**, 59, 451-6	3.2	100
26	Paraventricular-coerulear interactions: role in hypertension induced by prenatal undernutrition in the rat. *European Journal of Neuroscience*, **2006**, 24, 1209-19	3.5	13
25	Characterization of human intestinal bifidobacteria using competitive PCR and PCR-TTGE. *FEMS Microbiology Ecology*, **2006**, 55, 28-37	4.3	39
24	Systematic review: are probiotics useful in controlling gastric colonization by Helicobacter pylori?. *Alimentary Pharmacology and Therapeutics*, **2006**, 23, 1077-86	6.1	168
23	Effects of probiotic or prebiotic supplemented milk formulas on fecal microbiota composition of infants. *Asia Pacific Journal of Clinical Nutrition*, **2006**, 15, 368-76	1	33
22	Effect of regular ingestion of Saccharomyces boulardii plus inulin or Lactobacillus acidophilus LB in children colonized by Helicobacter pylori. *Acta Paediatrica, International Journal of Paediatrics*, **2005** , 94, 1747-51	3.1	70
21	Prebiotic ingestion does not improve gastrointestinal barrier function in burn patients. *Burns*, **2005**, 31, 482-8	2.3	31
20	Modulation of the fecal microbiota by the intake of a Lactobacillus johnsonii La1-containing product in human volunteers. *FEMS Microbiology Letters*, **2005**, 248, 249-56	2.9	40
19	Can the amount of Helicobacter pylori in the stomach be kept low through probiotic intake?. *American Journal of Clinical Nutrition*, **2005**, 81, 939; aithor reply 939-40	7	11
18	Effect of regular ingestion of Saccharomyces boulardii plus inulin or Lactobacillus acidophilus LB in children colonized by Helicobacter pylori. *Acta Paediatrica, International Journal of Paediatrics*, **2005** , 94, 1747-1751	3.1	12
17	Suppressive effect of frequent ingestion of Lactobacillus johnsonii La1 on Helicobacter pylori colonization in asymptomatic volunteers. *Journal of Antimicrobial Chemotherapy*, **2003**, 51, 1317-9	5.1	58
16	Effect of the ingestion of a dietary product containing Lactobacillus johnsonii La1 on Helicobacter pylori colonization in children. *Nutrition*, **2003**, 19, 716-21	4.8	134
15	Effect of acute cigarette smoking, alone or with alcohol, on gastric barrier function in healthy volunteers. *Digestive and Liver Disease*, **2002**, 34, 702-6	3.3	14
14	Effect of Lactobacillus ingestion on the gastrointestinal mucosal barrier alterations induced by indometacin in humans. *Alimentary Pharmacology and Therapeutics*, **2001**, 15, 11-7	6.1	125
13	Effect of acute copper exposure on gastrointestinal permeability in healthy volunteers. *Digestive Diseases and Sciences*, **2001**, 46, 1909-14	4	31
12	Acute nutritional and intestinal changes after pelvic radiation. *Journal of the American College of Nutrition*, **2001**, 20, 637-42	3.5	28
11	Gastric permeability is not increased in children colonized by CagA-positive strains of Helicobacter pylori. *Digestive and Liver Disease*, **2001**, 33, 750-4	3.3	9

10	Protective effects of boldine against free radical-induced erythrocyte lysis. *Phytotherapy Research*, **2000**, 14, 339-43	6.7	28
9	Local and systemic liberation of proinflammatory cytokines in ulcerative colitis. *Digestive Diseases and Sciences*, **1999**, 44, 830-5	4	33
8	Nutritional support in alcoholic cirrhotic patients improves host defenses. *Journal of the American College of Nutrition*, **1999**, 18, 434-41	3.5	44
7	Protective effect of boldine in experimental colitis. *Planta Medica*, **1997**, 63, 311-5	3.1	27
6	Loss of the metal binding properties of metallothionein induced by hydrogen peroxide and free radicals. *Toxicology*, **1997**, 120, 37-46	4.4	46
5	Sucrose permeability in children with gastric damage and Helicobacter pylori infection. *Journal of Pediatric Gastroenterology and Nutrition*, **1997**, 24, 506-11	2.8	26
4	Effect of cow's milk protein absorption on the anaphylactic and systemic immune responses of young rabbits during bacterial diarrhoea. *International Archives of Allergy and Immunology*, **1992**, 97, 78-82	3.7	2
3	In vivo effect of yogurt on excretion of enteropathogen Escherichia coli RDEC-1 during acute diarrhea in the just-weaned rabbit. *Journal of Pediatric Gastroenterology and Nutrition*, **1992**, 14, 264-7	2.8	6
2	Antigen absorption in rabbit bacterial diarrhea (RDEC-1). In vitro modifications in ileum and Peyer's patches. *Digestive Diseases and Sciences*, **1990**, 35, 360-6	4	28
1	Antigen absorption in bacterial diarrhea: in vivo intestinal transport of beta-lactoglobulin in rabbits infected with the entero-adherent Escherichia coli strain RDEC-1. *Pediatric Research*, **1989**, 26, 237-40	3.2	15