

Glenn R Gibson

List of Publications by Year in Descending Order

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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.

96 papers	33,404 citations	61 h-index	97 g-index
97 ext. papers	39,178 ext. citations	6.2 avg, IF	7.21 L-index

#	Paper	IF	Citations
96	Commentary on : Prebiotic effects: metabolic and health benefits. <i>British Journal of Nutrition</i> , 2021 , 1-7	3.6	2
95	Impact of 2% Fucosyllactose on Gut Microbiota Composition in Adults with Chronic Gastrointestinal Conditions: Batch Culture Fermentation Model and Pilot Clinical Trial Findings. <i>Nutrients</i> , 2021 , 13,	6.7	6
94	Amino Acid Formula Containing Synbiotics in Infants with Cow's Milk Protein Allergy: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2021 , 13,	6.7	10
93	Mechanisms linking the human gut microbiome to prophylactic and treatment strategies for COVID-19. <i>British Journal of Nutrition</i> , 2021 , 126, 219-227	3.6	37
92	Shaping the Future of Probiotics and Prebiotics. <i>Trends in Microbiology</i> , 2021 , 29, 667-685	12.4	90
91	Exploring the potential of prebiotic and polyphenol-based dietary interventions for the alleviation of cognitive and gastrointestinal perturbations associated with military specific stressors. <i>Journal of Functional Foods</i> , 2021 , 87, 104753	5.1	0
90	Targeted Approaches for In Situ Gut Microbiome Manipulation. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020 , 44, 581-588	4.2	3
89	In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria. <i>Food Research International</i> , 2020 , 128, 108776	7	6
88	The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of synbiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020 , 17, 687-701	24.2	249
87	Wood-Derived Dietary Fibers Promote Beneficial Human Gut Microbiota. <i>MSphere</i> , 2019 , 4,	5	30
86	Probiotics and prebiotics in intestinal health and disease: from biology to the clinic. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2019 , 16, 605-616	24.2	438
85	Gut microbiota functions: metabolism of nutrients and other food components. <i>European Journal of Nutrition</i> , 2018 , 57, 1-24	5.2	857
84	Mediation of coffee-induced improvements in human vascular function by chlorogenic acids and its metabolites: Two randomized, controlled, crossover intervention trials. <i>Clinical Nutrition</i> , 2017 , 36, 1520-1529	5.9	31
83	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017 , 14, 491-502	24.2	1963
82	In vitro evaluation of prebiotic properties derived from rice bran obtained by debranning technology. <i>International Journal of Food Sciences and Nutrition</i> , 2017 , 68, 421-428	3.7	9
81	An in vivo assessment of the cholesterol-lowering efficacy of Lactobacillus plantarum ECGC 13110402 in normal to mildly hypercholesterolaemic adults. <i>PLoS ONE</i> , 2017 , 12, e0187964	3.7	65
80	Prebiotic Potential of a Maize-Based Soluble Fibre and Impact of Dose on the Human Gut Microbiota. <i>PLoS ONE</i> , 2016 , 11, e0144457	3.7	30

79	Kiwifruit fermentation drives positive gut microbial and metabolic changes irrespective of initial microbiota composition. <i>Bioactive Carbohydrates and Dietary Fibre</i> , 2015 , 6, 37-45	3.4	14
78	In vitro fermentation of anthocyanins encapsulated with cyclodextrins: Release, metabolism and influence on gut microbiota growth. <i>Journal of Functional Foods</i> , 2015 , 16, 50-57	5.1	54
77	In vitro colonic metabolism of coffee and chlorogenic acid results in selective changes in human faecal microbiota growth. <i>British Journal of Nutrition</i> , 2015 , 113, 1220-7	3.6	98
76	Impact of palm date consumption on microbiota growth and large intestinal health: a randomised, controlled, cross-over, human intervention study. <i>British Journal of Nutrition</i> , 2015 , 114, 1226-36	3.6	56
75	Influence of galacto-oligosaccharide mixture (B-GOS) on gut microbiota, immune parameters and metabonomics in elderly persons. <i>British Journal of Nutrition</i> , 2015 , 114, 586-95	3.6	171
74	Prebiotics Modulate the Effects of Antibiotics on Gut Microbial Diversity and Functioning in Vitro. <i>Nutrients</i> , 2015 , 7, 4480-97	6.7	35
73	Klebsiella pneumoniae subsp. pneumoniae-bacteriophage combination from the caecal effluent of a healthy woman. <i>PeerJ</i> , 2015 , 3, e1061	3.1	25
72	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. <i>Nature Communications</i> , 2014 , 5, 3611	17.4	781
71	Characterization of virus-like particles associated with the human faecal and caecal microbiota. <i>Research in Microbiology</i> , 2014 , 165, 803-12	4	105
70	Expert consensus document. The International Scientific Association for Probiotics and Prebiotics consensus statement on the scope and appropriate use of the term probiotic. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014 , 11, 506-14	24.2	3614
69	An in vitro study of the effect of probiotics, prebiotics and synbiotics on the elderly faecal microbiota. <i>Anaerobe</i> , 2014 , 27, 50-5	2.8	45
68	The effect of proteolysis on the induction of cell death by monomeric alpha-lactalbumin. <i>Biochimie</i> , 2014 , 97, 138-43	4.6	9
67	Xylo-oligosaccharides alone or in synbiotic combination with Bifidobacterium animalis subsp. lactis induce bifidogenesis and modulate markers of immune function in healthy adults: a double-blind, placebo-controlled, randomised, factorial cross-over study. <i>British Journal of Nutrition</i> , 2014 , 111, 1945-56	3.6	88
66	Impacts of plant-based foods in ancestral hominin diets on the metabolism and function of gut microbiota in vitro. <i>MBio</i> , 2014 , 5, e00853-14	7.8	21
65	The impact of date palm fruits and their component polyphenols, on gut microbial ecology, bacterial metabolites and colon cancer cell proliferation. <i>Journal of Nutritional Science</i> , 2014 , 3, e46	2.7	74
64	In vitro fermentation of commercial Egluco-oligosaccharide by faecal microbiota from lean and obese human subjects. <i>British Journal of Nutrition</i> , 2013 , 109, 1980-9	3.6	35
63	Development of antimicrobial synbiotics using potentially-probiotic faecal isolates of Lactobacillus fermentum and Bifidobacterium longum. <i>Anaerobe</i> , 2013 , 20, 5-13	2.8	26
62	Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. <i>Gut</i> , 2013 , 62, 1112-21	19.2	517

61	A mixture of trans-galactooligosaccharides reduces markers of metabolic syndrome and modulates the fecal microbiota and immune function of overweight adults. <i>Journal of Nutrition</i> , 2013 , 143, 324-31	4.1	224
60	Metabolism of anthocyanins by human gut microflora and their influence on gut bacterial growth. <i>Journal of Agricultural and Food Chemistry</i> , 2012 , 60, 3882-90	5.7	286
59	Host-gut microbiota metabolic interactions. <i>Science</i> , 2012 , 336, 1262-7	33.3	2728
58	Effect of prebiotics on the human gut microbiota of elderly persons. <i>Gut Microbes</i> , 2012 , 3, 57-60	8.8	52
57	A randomised crossover study investigating the effects of galacto-oligosaccharides on the faecal microbiota in men and women over 50 years of age. <i>British Journal of Nutrition</i> , 2012 , 107, 1466-75	3.6	114
56	Synbiotics in health and disease. <i>Annual Review of Food Science and Technology</i> , 2011 , 2, 373-93	14.7	169
55	Variation in antibiotic-induced microbial recolonization impacts on the host metabolic phenotypes of rats. <i>Journal of Proteome Research</i> , 2011 , 10, 3590-603	5.6	101
54	In vitro bioaccessibility and gut biotransformation of polyphenols present in the water-insoluble cocoa fraction. <i>Molecular Nutrition and Food Research</i> , 2011 , 55 Suppl 1, S44-55	5.9	96
53	In vitro fermentation of linear and alpha-1,2-branched dextrans by the human fecal microbiota. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 5307-15	4.8	73
52	A human volunteer study to assess the impact of confectionery sweeteners on the gut microbiota composition. <i>British Journal of Nutrition</i> , 2010 , 104, 701-8	3.6	46
51	Prebiotic effects: metabolic and health benefits. <i>British Journal of Nutrition</i> , 2010 , 104 Suppl 2, S1-63	3.6	1440
50	A double-blind, placebo-controlled, cross-over study to establish the bifidogenic effect of a very-long-chain inulin extracted from globe artichoke (<i>Cynara scolymus</i>) in healthy human subjects. <i>British Journal of Nutrition</i> , 2010 , 104, 1007-17	3.6	141
49	Dietary prebiotics: current status and new definition. <i>Food Science and Technology Bulletin</i> , 2010 , 7, 1-19		305
48	Bacterial, SCFA and gas profiles of a range of food ingredients following in vitro fermentation by human colonic microbiota. <i>Anaerobe</i> , 2010 , 16, 420-5	2.8	72
47	The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota. <i>International Journal of Food Microbiology</i> , 2010 , 140, 175-82	5.8	166
46	Microbiology of the human intestinal tract and approaches for its dietary modulation. <i>Current Pharmaceutical Design</i> , 2009 , 15, 1403-14	3.3	70
45	Modulation of the fecal microflora profile and immune function by a novel trans-galactooligosaccharide mixture (B-GOS) in healthy elderly volunteers. <i>American Journal of Clinical Nutrition</i> , 2008 , 88, 1438-46	7	262
44	Prebiotics as gut microflora management tools. <i>Journal of Clinical Gastroenterology</i> , 2008 , 42 Suppl 2, S75-9	3	68

43	In vitro effects of selected synbiotics on the human faecal microbiota composition. <i>FEMS Microbiology Ecology</i> , 2008 , 66, 516-27	4.3	79
42	Prebiotic capacity of inulin-type fructans. <i>Journal of Nutrition</i> , 2007 , 137, 2503S-2506S	4.1	157
41	Metabolic endotoxemia initiates obesity and insulin resistance. <i>Diabetes</i> , 2007 , 56, 1761-72	0.9	3888
40	The Normal Microbiota of the Human Gastrointestinal Tract 2006 , 51-73		4
39	Polydextrose, lactitol, and fructo-oligosaccharide fermentation by colonic bacteria in a three-stage continuous culture system. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 4505-11	4.8	103
38	Fibre and effects on probiotics (the prebiotic concept). <i>Clinical Nutrition Supplements</i> , 2004 , 1, 25-31		147
37	Colonic metabolism of dietary polyphenols: influence of structure on microbial fermentation products. <i>Free Radical Biology and Medicine</i> , 2004 , 36, 212-25	7.8	371
36	Molecular identification and anti-pathogenic activities of putative probiotic bacteria isolated from faeces of healthy elderly individuals. <i>Microbial Ecology in Health and Disease</i> , 2004 , 16, 105-112		13
35	Dietary modulation of the human colonic microbiota: updating the concept of prebiotics. <i>Nutrition Research Reviews</i> , 2004 , 17, 259-75	7	1586
34	An in vitro assessment of the effects of broad-spectrum antibiotics on the human gut microflora and concomitant isolation of a <i>Lactobacillus plantarum</i> with anti- <i>Candida</i> activities. <i>Anaerobe</i> , 2004 , 10, 165-165	2.8	
33	rRNA probes used to quantify the effects of glycomacropeptide and alpha-lactalbumin supplementation on the predominant groups of intestinal bacteria of infant rhesus monkeys challenged with enteropathogenic <i>Escherichia coli</i> . <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2003 , 37, 273-80	2.8	59
32	Carbohydrates: a limit on bacterial diversity within the colon. <i>Biological Reviews</i> , 2002 , 77, 443-53	13.5	22
31	The microbiology of phytic acid metabolism by gut bacteria and relevance for bowel cancer. <i>International Journal of Food Science and Technology</i> , 2002 , 37, 783-790	3.8	22
30	In vitro investigations of the effect of probiotics and prebiotics on selected human intestinal pathogens. <i>FEMS Microbiology Ecology</i> , 2002 , 39, 67-75	4.3	143
29	The effects of the novel bifidogenic trisaccharide, neokestose, on the human colonic microbiota. <i>World Journal of Microbiology and Biotechnology</i> , 2002 , 18, 637-644	4.4	75
28	A Human Volunteer Study to Determine the Prebiotic Effects of Lactulose Powder on Human Colonic Microbiota. <i>Microbial Ecology in Health and Disease</i> , 2002 , 14, 165-173		109
27	Cholesterol assimilation by lactic acid bacteria and bifidobacteria isolated from the human gut. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4689-93	4.8	286
26	A Human Volunteer Study on the Prebiotic Effects of HP-Inulin/Baecal Bacteria Enumerated Using Fluorescent In Situ Hybridisation (FISH). <i>Anaerobe</i> , 2001 , 7, 113-118	2.8	94

25	<i>Clostridium hathewayi</i> sp. nov., from human faeces. <i>Systematic and Applied Microbiology</i> , 2001 , 24, 353-74.2		65
24	Synthesis and fermentation properties of novel galacto-oligosaccharides by beta-galactosidases from <i>Bifidobacterium</i> species. <i>Applied and Environmental Microbiology</i> , 2001 , 67, 2526-30	4.8	150
23	In vitro fermentability of dextran, oligodextran and maltodextrin by human gut bacteria. <i>British Journal of Nutrition</i> , 2000 , 83, 247-55	3.6	166
22	Aspects of in vitro and in vivo research approaches directed toward identifying probiotics and prebiotics for human use. <i>Journal of Nutrition</i> , 2000 , 130, 391S-395S	4.1	203
21	Perspectives on the role of the human gut microbiota and its modulation by pro- and prebiotics. <i>Nutrition Research Reviews</i> , 2000 , 13, 229-54	7	134
20	Functional foods 2000 ,		61
19	Gut fermentation and health advantages: myth or reality?. <i>British Journal of Nutrition</i> , 1999 , 81, 83-84	3.6	28
18	Prebiotics, probiotics and human gut microbiology. <i>International Dairy Journal</i> , 1999 , 9, 53-61	3.5	270
17	Dietary modulation of the human gut microflora using the prebiotics oligofructose and inulin. <i>Journal of Nutrition</i> , 1999 , 129, 1438S-41S	4.1	244
16	Probiotics, prebiotics, and synbiotics: approaches for modulating the microbial ecology of the gut. <i>American Journal of Clinical Nutrition</i> , 1999 , 69, 1052S-1057S	7	546
15	The effect of a model melanoidin mixture on faecal bacterial populations in vitro. <i>British Journal of Nutrition</i> , 1999 , 82, 489-495	3.6	106
14	Direct analysis of genes encoding 16S rRNA from complex communities reveals many novel molecular species within the human gut. <i>Applied and Environmental Microbiology</i> , 1999 , 65, 4799-807	4.8	1070
13	Prebiotics 1999 , 101-124		22
12	Probiotics and prebiotics: microflora management for improved gut health. <i>Clinical Microbiology and Infection</i> , 1998 , 4, 477-480	9.5	54
11	An Overview of Probiotics, Prebiotics and Synbiotics in the Functional Food Concept: Perspectives and Future Strategies. <i>International Dairy Journal</i> , 1998 , 8, 473-479	3.5	232
10	The bifidogenic nature of chicory inulin and its hydrolysis products. <i>Journal of Nutrition</i> , 1998 , 128, 11-9	4.1	504
9	Dietary modulation of the human gut microflora using prebiotics. <i>British Journal of Nutrition</i> , 1998 , 80, S209-S212	3.6	212
8	Fermentation of non-digestible oligosaccharides by human colonic bacteria. <i>Proceedings of the Nutrition Society</i> , 1996 , 55, 899-912	2.9	48

7	Dietary modulation of the human colonic microbiota: introducing the concept of prebiotics. <i>Journal of Nutrition</i> , 1995 , 125, 1401-12	4.1	4491
6	Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin. <i>Gastroenterology</i> , 1995 , 108, 975-82	13.3	1157
5	Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture. <i>FEMS Microbiology Letters</i> , 1994 , 118, 121-7	2.9	188
4	Impaired hydrogen metabolism in pneumatosis cystoides intestinalis. <i>Gastroenterology</i> , 1993 , 104, 392-7	13.3	61
3	Production, metabolism, and excretion of hydrogen in the large intestine. <i>Gastroenterology</i> , 1992 , 102, 1269-1277	13.3	213
2	Microbes involved in dissimilatory nitrate reduction in the human large intestine		1
1	Differences in the gut bacterial flora of healthy and milk-hypersensitive adults, as measured by fluorescence in situ hybridization		1