Glenn R Gibson

List of Publications by Year
in descending order

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96 papers	45,611 citations	15504 65 h-index	40979 93 g-index
97 all docs	97 docs citations	97 times ranked	36909 citing authors

#	Article	IF	Citations
1	The International Scientific Association for Probiotics and Prebiotics consensus statement on the scope and appropriate use of the term probiotic. Nature Reviews Gastroenterology and Hepatology, 2014, 11, 506-514.	17.8	5,773
2	Dietary Modulation of the Human Colonic Microbiota: Introducing the Concept of Prebiotics. Journal of Nutrition, 1995, 125, 1401-1412.	2.9	5,657
3	Metabolic Endotoxemia Initiates Obesity and Insulin Resistance. Diabetes, 2007, 56, 1761-1772.	0.6	4,964
4	Host-Gut Microbiota Metabolic Interactions. Science, 2012, 336, 1262-1267.	12.6	3,693
5	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. Nature Reviews Gastroenterology and Hepatology, 2017, 14, 491-502.	17.8	3,192
6	Dietary modulation of the human colonic microbiota: updating the concept of prebiotics. Nutrition Research Reviews, 2004, 17, 259-275.	4.1	1,928
7	Prebiotic effects: metabolic and health benefits. British Journal of Nutrition, 2010, 104, S1-S63.	2.3	1,745
8	Gut microbiota functions: metabolism of nutrients and other food components. European Journal of Nutrition, 2018, 57, 1-24.	3.9	1,608
9	Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin. Gastroenterology, 1995, 108, 975-982.	1.3	1,333
10	Direct Analysis of Genes Encoding 16S rRNA from Complex Communities Reveals Many Novel Molecular Species within the Human Gut. Applied and Environmental Microbiology, 1999, 65, 4799-4807.	3.1	1,253
11	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. Nature Communications, 2014, 5, 3611.	12.8	1,129
12	Probiotics and prebiotics in intestinal health and disease: from biology to the clinic. Nature Reviews Gastroenterology and Hepatology, 2019, 16, 605-616.	17.8	951
13	The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of synbiotics. Nature Reviews Gastroenterology and Hepatology, 2020, 17, 687-701.	17.8	826
14	Probiotics, prebiotics, and synbiotics: approaches for modulating the microbial ecology of the gut. American Journal of Clinical Nutrition, 1999, 69, 1052S-1057S.	4.7	653
15	Insight into the prebiotic concept: lessons from an exploratory, double blind intervention study with inulin-type fructans in obese women. Gut, 2013, 62, 1112-1121.	12.1	632
16	The Bifidogenic Nature of Chicory Inulin and Its Hydrolysis Products. Journal of Nutrition, 1998, 128, 11-19.	2.9	611
17	Dietary prebiotics: current status and new definition. Food Science and Technology Bulletin, 2010, 7, 1-19.	0.5	432
18	Colonic metabolism of dietary polyphenols: influence of structure on microbial fermentation products. Free Radical Biology and Medicine, 2004, 36, 212-225.	2.9	431

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19	Metabolism of Anthocyanins by Human Gut Microflora and Their Influence on Gut Bacterial Growth. Journal of Agricultural and Food Chemistry, 2012, 60, 3882-3890.	5.2	371
20	Cholesterol Assimilation by Lactic Acid Bacteria and Bifidobacteria Isolated from the Human Gut. Applied and Environmental Microbiology, 2002, 68, 4689-4693.	3.1	370
21	Modulation of the fecal microflora profile and immune function by a novel trans-galactooligosaccharide mixture (B-GOS) in healthy elderly volunteers. American Journal of Clinical Nutrition, 2008, 88, 1438-1446.	4.7	346
22	Dietary Modulation of the Human Gut Microflora Using the Prebiotics Oligofructose and Inulin. Journal of Nutrition, 1999, 129, 1438S-1441S.	2.9	295
23	Prebiotics, probiotics and human gut microbiology. International Dairy Journal, 1999, 9, 53-61.	3.0	294
24	An Overview of Probiotics, Prebiotics and Synbiotics in the Functional Food Concept: Perspectives and Future Strategies. International Dairy Journal, 1998, 8, 473-479.	3.0	287
25	A Mixture of trans-Galactooligosaccharides Reduces Markers of Metabolic Syndrome and Modulates the Fecal Microbiota and Immune Function of Overweight Adults. Journal of Nutrition, 2013, 143, 324-331.	2.9	271
26	Shaping the Future of Probiotics and Prebiotics. Trends in Microbiology, 2021, 29, 667-685.	7.7	270
27	Aspects of In Vitro and In Vivo Research Approaches Directed Toward Identifying Probiotics and Prebiotics for Human Use. Journal of Nutrition, 2000, 130, 391S-395S.	2.9	267
28	Dietary modulation of the human gut microflora using prebiotics. British Journal of Nutrition, 1998, 80, S209-S212.	2.3	263
29	Production, metabolism, and excretion of hydrogen in the large intestine. Gastroenterology, 1992, 102, 1269-1277.	1.3	253
30	Influence of galacto-oligosaccharide mixture (B-GOS) on gut microbiota, immune parameters and metabonomics in elderly persons. British Journal of Nutrition, 2015, 114, 586-595.	2.3	235
31	Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture. FEMS Microbiology Letters, 1994, 118, 121-127.	1.8	215
32	The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota. International Journal of Food Microbiology, 2010, 140, 175-182.	4.7	209
33	Synbiotics in Health and Disease. Annual Review of Food Science and Technology, 2011, 2, 373-393.	9.9	209
34	Prebiotic Capacity of Inulin-Type Fructans. Journal of Nutrition, 2007, 137, 2503S-2506S.	2.9	198
35	In vitro fermentability of dextran, oligodextran and maltodextrin by human gut bacteria. British Journal of Nutrition, 2000, 83, 247-255.	2.3	192
36	Fibre and effects on probiotics (the prebiotic concept). Clinical Nutrition Supplements, 2004, 1, 25-31.	0.0	190

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37	In vitro investigations of the effect of probiotics and prebiotics on selected human intestinal pathogens. FEMS Microbiology Ecology, 2002, 39, 67-75.	2.7	182
38	A double-blind, placebo-controlled, cross-over study to establish the bifidogenic effect of a very-long-chain inulin extracted from globe artichoke (Cynara scolymus) in healthy human subjects. British Journal of Nutrition, 2010, 104, 1007-1017.	2.3	176
39	Characterization of virus-like particles associated with the human faecal and caecal microbiota. Research in Microbiology, 2014, 165, 803-812.	2.1	169
40	Synthesis and Fermentation Properties of Novel Galacto-Oligosaccharides by Î²-Galactosidases from Bifidobacterium Species. Applied and Environmental Microbiology, 2001, 67, 2526-2530.	3.1	163
41	Perspectives on the role of the human gut microbiota and its modulation by pro- and prebiotics. Nutrition Research Reviews, 2000, 13, 229-254.	4.1	157
42	A randomised crossover study investigating the effects of galacto-oligosaccharides on the faecal microbiota in men and women over 50 years of age. British Journal of Nutrition, 2012, 107, 1466-1475.	2.3	142
43	In vitrocolonic metabolism of coffee and chlorogenic acid results in selective changes in human faecal microbiota growth. British Journal of Nutrition, 2015, 113, 1220-1227.	2.3	129
44	A Human Volunteer Study to Determine the Prebiotic Effects of Lactulose Powder on Human Colonic Microbiota. Microbial Ecology in Health and Disease, 2002, 14, 165-173.	3.5	127
45	Polydextrose, Lactitol, and Fructo-Oligosaccharide Fermentation by Colonic Bacteria in a Three-Stage Continuous Culture System. Applied and Environmental Microbiology, 2004, 70, 4505-4511.	3.1	122
46	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. British Journal of Nutrition, 2014, 111, 1945-1956.	2.3	120
47	Variation in Antibiotic-Induced Microbial Recolonization Impacts on the Host Metabolic Phenotypes of Rats. Journal of Proteome Research, 2011, 10, 3590-3603.	3.7	114
48	The effect of a model melanoidin mixture on faecal bacterial populationsin vitro. British Journal of Nutrition, 1999, 82, 489-495.	2.3	112
49	In vitro bioaccessibility and gut biotransformation of polyphenols present in the waterâ€insoluble cocoa fraction. Molecular Nutrition and Food Research, 2011, 55, S44-55.	3.3	110
50	A Human Volunteer Study on the Prebiotic Effects of HP-Inulinâ€"Faecal Bacteria Enumerated Using Fluorescent In Situ Hybridisation (FISH). Anaerobe, 2001, 7, 113-118.	2.1	107
51	The impact of date palm fruits and their component polyphenols, on gut microbial ecology, bacterial metabolites and colon cancer cell proliferation. Journal of Nutritional Science, 2014, 3, e46.	1.9	107
52	In vitro effects of selected synbiotics on the human faecal microbiota composition. FEMS Microbiology Ecology, 2008, 66, 516-527.	2.7	102
53	An in vivo assessment of the cholesterol-lowering efficacy of Lactobacillus plantarum ECGC 13110402 in normal to mildly hypercholesterolaemic adults. PLoS ONE, 2017, 12, e0187964.	2.5	99
54	The effects of the novel bifidogenic trisaccharide, neokestose, on the human colonic microbiota. World Journal of Microbiology and Biotechnology, 2002, 18, 637-644.	3.6	90

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55	Bacterial, SCFA and gas profiles of a range of food ingredients following in vitro fermentation by human colonic microbiota. Anaerobe, 2010, 16, 420-425.	2.1	85
56	In VitroFermentation of Linear and Î±-1,2-Branched Dextrans by the Human Fecal Microbiota. Applied and Environmental Microbiology, 2011, 77, 5307-5315.	3.1	84
57	Impaired hydrogen metabolism in pneumatosis cystoides intestinalis. Gastroenterology, 1993, 104, 392-397.	1.3	78
58	Prebiotics as Gut Microflora Management Tools. Journal of Clinical Gastroenterology, 2008, 42, S75-S79.	2.2	78
59	Impact of palm date consumption on microbiota growth and large intestinal health: a randomised, controlled, cross-over, human intervention study. British Journal of Nutrition, 2015, 114, 1226-1236.	2.3	78
60	Microbiology of the Human Intestinal Tract and Approaches for Its Dietary Modulation. Current Pharmaceutical Design, 2009, 15, 1403-1414.	1.9	77
61	Clostridium hathewayi sp. nov., from Human Faeces. Systematic and Applied Microbiology, 2001, 24, 353-357.	2.8	75
62	In vitro fermentation of anthocyanins encapsulated with cyclodextrins: Release, metabolism and influence on gut microbiota growth. Journal of Functional Foods, 2015, 16, 50-57.	3.4	74
63	Probiotics and prebiotics: microflora management for improved gut health. Clinical Microbiology and Infection, 1998, 4, 477-480.	6.0	69
64	rRNA Probes Used to Quantify the Effects of Glycomacropeptide and Î±-Lactalbumin Supplementation on the Predominant Groups of Intestinal Bacteria of Infant Rhesus Monkeys Challenged with Enteropathogenic Escherichia coli. Journal of Pediatric Gastroenterology and Nutrition, 2003, 37, 273-280.	1.8	69
65	Effect of prebiotics on the human gut microbiota of elderly persons. Gut Microbes, 2012, 3, 57-60.	9.8	68
66	Functional foods. , 2000, , .		67
67	Fermentation of non-digestible oligosaccharides by human colonic bacteria. Proceedings of the Nutrition Society, 1996, 55, 899-912.	1.0	63
68	A human volunteer study to assess the impact of confectionery sweeteners on the gut microbiota composition. British Journal of Nutrition, 2010, 104, 701-708.	2.3	63
69	An inÂvitro study of the effect of probiotics, prebiotics and synbiotics on the elderly faecal microbiota. Anaerobe, 2014, 27, 50-55.	2.1	58
70	Prebiotics Modulate the Effects of Antibiotics on Gut Microbial Diversity and Functioning in Vitro. Nutrients, 2015, 7, 4480-4497.	4.1	55
71	Mechanisms linking the human gut microbiome to prophylactic and treatment strategies for COVID-19. British Journal of Nutrition, 2021, 126, 219-227.	2.3	50
72	Wood-Derived Dietary Fibers Promote Beneficial Human Gut Microbiota. MSphere, 2019, 4, .	2.9	48

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73	In vitrofermentation of commercial Î±-gluco-oligosaccharide by faecal microbiota from lean and obese human subjects. British Journal of Nutrition, 2013, 109, 1980-1989.	2.3	44
74	Prebiotic Potential of a Maize-Based Soluble Fibre and Impact of Dose on the Human Gut Microbiota. PLoS ONE, 2016, 11, e0144457.	2.5	39
75	Mediation of coffee-induced improvements in human vascular function by chlorogenic acids and its metabolites: Two randomized, controlled, crossover intervention trials. Clinical Nutrition, 2017, 36, 1520-1529.	5.0	38
76	Klebsiella pneumoniaesubsp.pneumoniaeâ€“bacteriophage combination from the caecal effluent of a healthy woman. PeerJ, 2015, 3, e1061.	2.0	38
77	Gut fermentation and health advantages: myth or reality?. British Journal of Nutrition, 1999, 81, 83-84.	2.3	29
78	Development of antimicrobial synbiotics using potentially-probiotic faecal isolates of Lactobacillus fermentum and Bifidobacterium longum. Anaerobe, 2013, 20, 5-13.	2.1	29
79	Impacts of Plant-Based Foods in Ancestral Hominin Diets on the Metabolism and Function of Gut Microbiota In Vitro. MBio, 2014, 5, e00853-14.	4.1	27
80	Carbohydrates: a limit on bacterial diversity within the colon. Biological Reviews, 2002, 77, 443-453.	10.4	26
81	Amino Acid Formula Containing Synbiotics in Infants with Cowâ€™s Milk Protein Allergy: A Systematic Review and Meta-Analysis. Nutrients, 2021, 13, 935.	4.1	26
82	The microbiology of phytic acid metabolism by gut bacteria and relevance for bowel cancer. International Journal of Food Science and Technology, 2002, 37, 783-790.	2.7	23
83	Prebiotics. , 1999, , 101-124.		23
84	Impact of 2â€²-Fucosyllactose on Gut Microbiota Composition in Adults with Chronic Gastrointestinal Conditions: Batch Culture Fermentation Model and Pilot Clinical Trial Findings. Nutrients, 2021, 13, 938.	4.1	21
85	Molecular identification and anti-pathogenic activities of putative probiotic bacteria isolated from faeces of healthy elderly individuals. Microbial Ecology in Health and Disease, 2004, 16, 105-112.	3.5	18
86	Kiwifruit fermentation drives positive gut microbial and metabolic changes irrespective of initial microbiota composition. Bioactive Carbohydrates and Dietary Fibre, 2015, 6, 37-45.	2.7	18
87	In vitro evaluation of prebiotic properties derived from rice bran obtained by debranning technology. International Journal of Food Sciences and Nutrition, 2017, 68, 421-428.	2.8	13
88	In vitro effects of Bifidobacterium lactis-based synbiotics on human faecal bacteria. Food Research International, 2020, 128, 108776.	6.2	13
89	The effect of proteolysis on the induction of cell death by monomeric alpha-lactalbumin. Biochimie, 2014, 97, 138-143.	2.6	11
90	Targeted Approaches for In Situ Gut Microbiome Manipulation. Journal of Parenteral and Enteral Nutrition, 2020, 44, 581-588.	2.6	8

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91	Commentary on: prebiotic effects: metabolic and health benefits. British Journal of Nutrition, 2022, 127, 554-555.	2.3	7
92	The Normal Microbiota of the Human Gastrointestinal Tract. , 2006, , 51-73.		4
93	Exploring the potential of prebiotic and polyphenol-based dietary interventions for the alleviation of cognitive and gastrointestinal perturbations associated with military specific stressors. Journal of Functional Foods, 2021, 87, 104753.	3.4	2
94	Microbes involved in dissimilatory nitrate reduction in the human large intestine. FEMS Microbiology Ecology, 2000, 31, 21-28.	2.7	1
95	Differences in the gut bacterial flora of healthy and milk-hypersensitive adults, as measured by fluorescence in situ hybridization. FEMS Immunology and Medical Microbiology, 2001, 30, 217-221.	2.7	1
96	An in vitro assessment of the effects of broad-spectrum antibiotics on the human gut microflora and concomitant isolation of a Lactobacillus plantarum with anti-Candida activities. Anaerobe, 2004, 10, 165-165.	2.1	0