

Glenn R Gibson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2665615/publications.pdf>

Version: 2024-02-01

96
papers

45,611
citations

15503

65
h-index

40976

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. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2014, 11, 506-514.	17.8	5,773
2	Dietary Modulation of the Human Colonic Microbiota: Introducing the Concept of Prebiotics. <i>Journal of Nutrition</i> , 1995, 125, 1401-1412.	2.9	5,657
3	Metabolic Endotoxemia Initiates Obesity and Insulin Resistance. <i>Diabetes</i> , 2007, 56, 1761-1772.	0.6	4,964
4	Host-Gut Microbiota Metabolic Interactions. <i>Science</i> , 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. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2017, 14, 491-502.	17.8	3,192
6	Dietary modulation of the human colonic microbiota: updating the concept of prebiotics. <i>Nutrition Research Reviews</i> , 2004, 17, 259-275.	4.1	1,928
7	Prebiotic effects: metabolic and health benefits. <i>British Journal of Nutrition</i> , 2010, 104, S1-S63.	2.3	1,745
8	Gut microbiota functions: metabolism of nutrients and other food components. <i>European Journal of Nutrition</i> , 2018, 57, 1-24.	3.9	1,608
9	Selective stimulation of bifidobacteria in the human colon by oligofructose and inulin. <i>Gastroenterology</i> , 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. <i>Applied and Environmental Microbiology</i> , 1999, 65, 4799-4807.	3.1	1,253
11	The short-chain fatty acid acetate reduces appetite via a central homeostatic mechanism. <i>Nature Communications</i> , 2014, 5, 3611.	12.8	1,129
12	Probiotics and prebiotics in intestinal health and disease: from biology to the clinic. <i>Nature Reviews Gastroenterology and Hepatology</i> , 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. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020, 17, 687-701.	17.8	826
14	Probiotics, prebiotics, and synbiotics: approaches for modulating the microbial ecology of the gut. <i>American Journal of Clinical Nutrition</i> , 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. <i>Gut</i> , 2013, 62, 1112-1121.	12.1	632
16	The Bifidogenic Nature of Chicory Inulin and Its Hydrolysis Products. <i>Journal of Nutrition</i> , 1998, 128, 11-19.	2.9	611
17	Dietary prebiotics: current status and new definition. <i>Food Science and Technology Bulletin</i> , 2010, 7, 1-19.	0.5	432
18	Colonic metabolism of dietary polyphenols: influence of structure on microbial fermentation products. <i>Free Radical Biology and Medicine</i> , 2004, 36, 212-225.	2.9	431

#	ARTICLE	IF	CITATIONS
19	Metabolism of Anthocyanins by Human Gut Microflora and Their Influence on Gut Bacterial Growth. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 3882-3890.	5.2	371
20	Cholesterol Assimilation by Lactic Acid Bacteria and Bifidobacteria Isolated from the Human Gut. <i>Applied and Environmental Microbiology</i> , 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. <i>American Journal of Clinical Nutrition</i> , 2008, 88, 1438-1446.	4.7	346
22	Dietary Modulation of the Human Gut Microflora Using the Prebiotics Oligofructose and Inulin. <i>Journal of Nutrition</i> , 1999, 129, 1438S-1441S.	2.9	295
23	Prebiotics, probiotics and human gut microbiology. <i>International Dairy Journal</i> , 1999, 9, 53-61.	3.0	294
24	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.	3.0	287
25	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, 324-331.	2.9	271
26	Shaping the Future of Probiotics and Prebiotics. <i>Trends in Microbiology</i> , 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. <i>Journal of Nutrition</i> , 2000, 130, 391S-395S.	2.9	267
28	Dietary modulation of the human gut microflora using prebiotics. <i>British Journal of Nutrition</i> , 1998, 80, S209-S212.	2.3	263
29	Production, metabolism, and excretion of hydrogen in the large intestine. <i>Gastroenterology</i> , 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. <i>British Journal of Nutrition</i> , 2015, 114, 586-595.	2.3	235
31	Enrichment of bifidobacteria from human gut contents by oligofructose using continuous culture. <i>FEMS Microbiology Letters</i> , 1994, 118, 121-127.	1.8	215
32	The influence of pomegranate by-product and punicalagins on selected groups of human intestinal microbiota. <i>International Journal of Food Microbiology</i> , 2010, 140, 175-182.	4.7	209
33	Synbiotics in Health and Disease. <i>Annual Review of Food Science and Technology</i> , 2011, 2, 373-393.	9.9	209
34	Prebiotic Capacity of Inulin-Type Fructans. <i>Journal of Nutrition</i> , 2007, 137, 2503S-2506S.	2.9	198
35	<i>In vitro</i> fermentability of dextran, oligodextran and maltodextrin by human gut bacteria. <i>British Journal of Nutrition</i> , 2000, 83, 247-255.	2.3	192
36	Fibre and effects on probiotics (the prebiotic concept). <i>Clinical Nutrition Supplements</i> , 2004, 1, 25-31.	0.0	190

#	ARTICLE	IF	CITATIONS
37	In vitro investigations of the effect of probiotics and prebiotics on selected human intestinal pathogens. <i>FEMS Microbiology Ecology</i> , 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 (<i>Cynara scolymus</i>) in healthy human subjects. <i>British Journal of Nutrition</i> , 2010, 104, 1007-1017.	2.3	176
39	Characterization of virus-like particles associated with the human faecal and caecal microbiota. <i>Research in Microbiology</i> , 2014, 165, 803-812.	2.1	169
40	Synthesis and Fermentation Properties of Novel Galacto-Oligosaccharides by β -Galactosidases from <i>Bifidobacterium</i> Species. <i>Applied and Environmental Microbiology</i> , 2001, 67, 2526-2530.	3.1	163
41	Perspectives on the role of the human gut microbiota and its modulation by pro- and prebiotics. <i>Nutrition Research Reviews</i> , 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. <i>British Journal of Nutrition</i> , 2012, 107, 1466-1475.	2.3	142
43	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, 1220-1227.	2.3	129
44	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.	3.5	127
45	Polydextrose, Lactitol, and Fructo-Oligosaccharide Fermentation by Colonic Bacteria in a Three-Stage Continuous Culture System. <i>Applied and Environmental Microbiology</i> , 2004, 70, 4505-4511.	3.1	122
46	Xylo-oligosaccharides alone or in synbiotic combination with <i>Bifidobacterium animalis</i> subsp. <i>lactis</i> 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, 1945-1956.	2.3	120
47	Variation in Antibiotic-Induced Microbial Recolonization Impacts on the Host Metabolic Phenotypes of Rats. <i>Journal of Proteome Research</i> , 2011, 10, 3590-3603.	3.7	114
48	The effect of a model melanoidin mixture on faecal bacterial populations in vitro. <i>British Journal of Nutrition</i> , 1999, 82, 489-495.	2.3	112
49	In vitro bioaccessibility and gut biotransformation of polyphenols present in the water-insoluble cocoa fraction. <i>Molecular Nutrition and Food Research</i> , 2011, 55, S44-55.	3.3	110
50	A Human Volunteer Study on the Prebiotic Effects of HP-Inulin Faecal Bacteria Enumerated Using Fluorescent In Situ Hybridisation (FISH). <i>Anaerobe</i> , 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. <i>Journal of Nutritional Science</i> , 2014, 3, e46.	1.9	107
52	In vitro effects of selected synbiotics on the human faecal microbiota composition. <i>FEMS Microbiology Ecology</i> , 2008, 66, 516-527.	2.7	102
53	An in vivo assessment of the cholesterol-lowering efficacy of <i>Lactobacillus plantarum</i> ECGC 13110402 in normal to mildly hypercholesterolaemic adults. <i>PLoS ONE</i> , 2017, 12, e0187964.	2.5	99
54	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.	3.6	90

#	ARTICLE	IF	CITATIONS
55	Bacterial, SCFA and gas profiles of a range of food ingredients following in vitro fermentation by human colonic microbiota. <i>Anaerobe</i> , 2010, 16, 420-425.	2.1	85
56	In Vitro Fermentation of Linear and α -1,2-Branched Dextrins by the Human Fecal Microbiota. <i>Applied and Environmental Microbiology</i> , 2011, 77, 5307-5315.	3.1	84
57	Impaired hydrogen metabolism in pneumatosis cystoides intestinalis. <i>Gastroenterology</i> , 1993, 104, 392-397.	1.3	78
58	Prebiotics as Gut Microflora Management Tools. <i>Journal of Clinical Gastroenterology</i> , 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. <i>British Journal of Nutrition</i> , 2015, 114, 1226-1236.	2.3	78
60	Microbiology of the Human Intestinal Tract and Approaches for Its Dietary Modulation. <i>Current Pharmaceutical Design</i> , 2009, 15, 1403-1414.	1.9	77
61	<i>Clostridium hathewayi</i> sp. nov., from Human Faeces. <i>Systematic and Applied Microbiology</i> , 2001, 24, 353-357.	2.8	75
62	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.	3.4	74
63	Probiotics and prebiotics: microflora management for improved gut health. <i>Clinical Microbiology and Infection</i> , 1998, 4, 477-480.	6.0	69
64	rRNA Probes Used to Quantify the Effects of Glycomacropeptide and α -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, 273-280.	1.8	69
65	Effect of prebiotics on the human gut microbiota of elderly persons. <i>Gut Microbes</i> , 2012, 3, 57-60.	9.8	68
66	Functional foods. , 2000, , .		67
67	Fermentation of non-digestible oligosaccharides by human colonic bacteria. <i>Proceedings of the Nutrition Society</i> , 1996, 55, 899-912.	1.0	63
68	A human volunteer study to assess the impact of confectionery sweeteners on the gut microbiota composition. <i>British Journal of Nutrition</i> , 2010, 104, 701-708.	2.3	63
69	An in vitro study of the effect of probiotics, prebiotics and synbiotics on the elderly faecal microbiota. <i>Anaerobe</i> , 2014, 27, 50-55.	2.1	58
70	Prebiotics Modulate the Effects of Antibiotics on Gut Microbial Diversity and Functioning in Vitro. <i>Nutrients</i> , 2015, 7, 4480-4497.	4.1	55
71	Mechanisms linking the human gut microbiome to prophylactic and treatment strategies for COVID-19. <i>British Journal of Nutrition</i> , 2021, 126, 219-227.	2.3	50
72	Wood-Derived Dietary Fibers Promote Beneficial Human Gut Microbiota. <i>MSphere</i> , 2019, 4, .	2.9	48

#	ARTICLE	IF	CITATIONS
73	<i>In vitro</i> fermentation of commercial α -gluco-oligosaccharide by faecal microbiota from lean and obese human subjects. <i>British Journal of Nutrition</i> , 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. <i>PLoS ONE</i> , 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. <i>Clinical Nutrition</i> , 2017, 36, 1520-1529.	5.0	38
76	<i>Klebsiella pneumoniae</i> subsp. <i>pneumoniae</i> bacteriophage combination from the caecal effluent of a healthy woman. <i>PeerJ</i> , 2015, 3, e1061.	2.0	38
77	Gut fermentation and health advantages: myth or reality?. <i>British Journal of Nutrition</i> , 1999, 81, 83-84.	2.3	29
78	Development of antimicrobial synbiotics using potentially-probiotic faecal isolates of <i>Lactobacillus fermentum</i> and <i>Bifidobacterium longum</i> . <i>Anaerobe</i> , 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 <i>In Vitro</i> . <i>MBio</i> , 2014, 5, e00853-14.	4.1	27
80	Carbohydrates: a limit on bacterial diversity within the colon. <i>Biological Reviews</i> , 2002, 77, 443-453.	10.4	26
81	Amino Acid Formula Containing Synbiotics in Infants with Cow's Milk Protein Allergy: A Systematic Review and Meta-Analysis. <i>Nutrients</i> , 2021, 13, 935.	4.1	26
82	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.	2.7	23
83	Prebiotics. , 1999, , 101-124.		23
84	Impact of α -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, 938.	4.1	21
85	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.	3.5	18
86	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.	2.7	18
87	<i>In vitro</i> 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.	2.8	13
88	In vitro effects of <i>Bifidobacterium lactis</i> -based synbiotics on human faecal bacteria. <i>Food Research International</i> , 2020, 128, 108776.	6.2	13
89	The effect of proteolysis on the induction of cell death by monomeric alpha-lactalbumin. <i>Biochimie</i> , 2014, 97, 138-143.	2.6	11
90	Targeted Approaches for In Situ Gut Microbiome Manipulation. <i>Journal of Parenteral and Enteral Nutrition</i> , 2020, 44, 581-588.	2.6	8

#	ARTICLE	IF	CITATIONS
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