Wayne Young

List of Publications by Year
in descending order

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91 papers	3,162 citations	257357 24 h-index	168321 53 g-index
94 all docs	94 docs citations	94 times ranked	4547 citing authors

#	Article	IF	Citations
1	Rumen microbial community composition varies with diet and host, but a core microbiome is found across a wide geographical range. Scientific Reports, 2015, 5, 14567.	1.6	1,172
2	A new macrocyclic antibiotic, fidaxomicin (OPT-80), causes less alteration to the bowel microbiota of Clostridium difficile-infected patients than does vancomycin. Microbiology (United Kingdom), 2010, 156, 3354-3359.	0.7	191
3	Metagenomic insights into the roles of <i>Proteobacteria</i> in the gastrointestinal microbiomes of healthy dogs and cats. MicrobiologyOpen, 2018, 7, e00677.	1.2	148
4	Key bacterial families (Clostridiaceae, Erysipelotrichaceae and Bacteroidaceae) are related to the digestion of protein and energy in dogs. PeerJ, 2017, 5, e3019.	0.9	142
5	Embracing the gut microbiota: the new frontier for inflammatory and infectious diseases. Clinical and Translational Immunology, 2017, 6, e125.	1.7	90
6	Transfer of intestinal bacterial components to mammary secretions in the cow. PeerJ, 2015, 3, e888.	0.9	90
7	Live<i>F</i><i>aecalibacterium prausnitzii</i>in an apical anaerobic model of the intestinal epithelial barrier. Cellular Microbiology, 2015, 17, 226-240.	1.1	73
8	CTLA-4 promotes Foxp3 induction and regulatory T cell accumulation in the intestinal lamina propria. Mucosal Immunology, 2013, 6, 324-334.	2.7	71
9	Dietary format alters fecal bacterial populations in the domestic cat (<i><scp>F</scp>elis catus</i>). MicrobiologyOpen, 2013, 2, 173-181.	1.2	64
10	Increasing Evidence That Irritable Bowel Syndrome and Functional Gastrointestinal Disorders Have a Microbial Pathogenesis. Frontiers in Cellular and Infection Microbiology, 2020, 10, 468.	1.8	58
11	RNA-Based Stable Isotope Probing Suggests<i>Allobaculum</i>spp. as Particularly Active Glucose Assimilators in a Complex Murine Microbiota Cultured In Vitro. BioMed Research International, 2017, 2017, 1-13.	0.9	56
12	Gut-Brain Axis in the Early Postnatal Years of Life: A Developmental Perspective. Frontiers in Integrative Neuroscience, 2020, 14, 44.	1.0	48
13	Human Breast Milk and Infant Formulas Differentially Modify the Intestinal Microbiota in Human Infants and Host Physiology in Rats. Journal of Nutrition, 2016, 146, 191-199.	1.3	44
14	Changes in Composition of Caecal Microbiota Associated with Increased Colon Inflammation in Interleukin-10 Gene-Deficient Mice Inoculated with Enterococcus Species. Nutrients, 2015, 7, 1798-1816.	1.7	41
15	Addition of plant dietary fibre to a raw red meat high protein, high fat diet, alters the faecal bacteriome and organic acid profiles of the domestic cat (Felis catus). PLoS ONE, 2019, 14, e0216072.	1.1	39
16	Determination of Resistant Starch Assimilating Bacteria in Fecal Samples of Mice by In vitro RNA-Based Stable Isotope Probing. Frontiers in Microbiology, 2017, 8, 1331.	1.5	38
17	The Fecal Microbiota in the Domestic Cat (Felis catus) Is Influenced by Interactions Between Age and Diet; A Five Year Longitudinal Study. Frontiers in Microbiology, 2018, 9, 1231.	1.5	36
18	Detection of Sialic Acid-Utilising Bacteria in a Caecal Community Batch Culture Using RNA-Based Stable Isotope Probing. Nutrients, 2015, 7, 2109-2124.	1.7	30

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19	Changes in Bowel Microbiota Induced by Feeding Weanlings Resistant Starch Stimulate Transcriptomic and Physiological Responses. Applied and Environmental Microbiology, 2012, 78, 6656-6664.	1.4	29
20	Pre- and post-weaning diet alters the faecal metagenome in the cat with differences in vitamin and carbohydrate metabolism gene abundances. Scientific Reports, 2016, 6, 34668.	1.6	28
21	Gastric Emptying and Gastrointestinal Transit Compared among Native and Hydrolyzed Whey and Casein Milk Proteins in an Aged Rat Model. Nutrients, 2017, 9, 1351.	1.7	27
22	In Vivo Assessment of Resistant Starch Degradation by the Caecal Microbiota of Mice Using RNA-Based Stable Isotope Probingâ€"A Proof-of-Principle Study. Nutrients, 2018, 10, 179.	1.7	27
23	Expression and secretion of a biologically active glycoprotein hormone, ovine follicle stimulating hormone, by Pichia pastoris. Journal of Molecular Endocrinology, 1998, 21, 327-336.	1.1	25
24	Gastroparesis and lipid metabolism-associated dysbiosis in Wistar-Kyoto rats. American Journal of Physiology - Renal Physiology, 2017, 313, G62-G72.	1.6	25
25	Infant Complementary Feeding of Prebiotics for the Microbiome and Immunity. Nutrients, 2019, 11, 364.	1.7	25
26	Follicle-Stimulating Hormone in the Brushtail Possum (Trichosurus vulpecula): Purification, Characterization, and Radioimmunoassay. General and Comparative Endocrinology, 1997, 106, 30-38.	0.8	24
27	Metabolome and microbiome profiling of a stress-sensitive rat model of gut-brain axis dysfunction. Scientific Reports, 2019, 9, 14026.	1.6	23
28	Impact of Dietary Dairy Polar Lipids on Lipid Metabolism of Mice Fed a High-Fat Diet. Journal of Agricultural and Food Chemistry, 2013, 61, 2729-2738.	2.4	22
29	Gut Microbial Metabolites and Biochemical Pathways Involved in Irritable Bowel Syndrome: Effects of Diet and Nutrition on the Microbiome. Journal of Nutrition, 2020, 150, 1012-1021.	1.3	22
30	A reverse metabolic approach to weaning: in silico identification of immune-beneficial infant gut bacteria, mining their metabolism for prebiotic feeds and sourcing these feeds in the natural product space. Microbiome, 2018, 6, 171.	4.9	21
31	A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial. Nutrients, 2021, 13, 1092.	1.7	21
32	Lipidomics of Brain Tissues in Rats Fed Human Milk from Chinese Mothers or Commercial Infant Formula. Metabolites, 2019, 9, 253.	1.3	20
33	Post-weaning selenium and folate supplementation affects gene and protein expression and global DNA methylation in mice fed high-fat diets. BMC Medical Genomics, 2013, 6, 7.	0.7	19
34	Post-Weaning Diet Affects Faecal Microbial Composition but Not Selected Adipose Gene Expression in the Cat (Felis catus). PLoS ONE, 2013, 8, e80992.	1.1	19
35	Do Dairy Minerals Have a Positive Effect on Bone Health?. Comprehensive Reviews in Food Science and Food Safety, 2018, 17, 989-1005.	5.9	18
36	Bowel Microbiota Moderate Host Physiological Responses to Dietary Konjac in Weanling Rats1â€"3. Journal of Nutrition, 2013, 143, 1052-1060.	1.3	17

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37	Prenatal caprine milk oligosaccharide consumption affects the development of mice offspring. Molecular Nutrition and Food Research, 2016, 60, 2076-2085.	1.5	17
38	Human oral isolate Lactobacillus fermentum AGR1487 induces a pro-inflammatory response in germ-free rat colons. Scientific Reports, 2016, 6, 20318.	1.6	16
39	Low Folate and Selenium in the Mouse Maternal Diet Alters Liver Gene Expression Patterns in the Offspring after Weaning. Nutrients, 2015, 7, 3370-3386.	1.7	15
40	Feeding Bugs to Bugs: Edible Insects Modify the Human Gut Microbiome in an in vitro Fermentation Model. Frontiers in Microbiology, 2020, 11, 1763.	1.5	15
41	Five-week dietary exposure to dry diets alters the faecal bacterial populations in the domestic cat (<i>Felis catus</i>). British Journal of Nutrition, 2011, 106, S49-S52.	1.2	14
42	Effect of milk replacer allowance on calf faecal bacterial community profiles and fermentation. Animal Microbiome, 2021, 3, 27.	1.5	14
43	Human Oral Isolate Lactobacillus fermentum AGR1487 Reduces Intestinal Barrier Integrity by Increasing the Turnover of Microtubules in Caco-2 Cells. PLoS ONE, 2013, 8, e78774.	1.1	14
44	Glycan Utilisation and Function in the Microbiome of Weaning Infants. Microorganisms, 2019, 7, 190.	1.6	13
45	Effects of long-acting, broad spectra anthelmintic treatments on the rumen microbial community compositions of grazing sheep. Scientific Reports, 2021, 11, 3836.	1.6	13
46	Concentrations of Fecal Bile Acids in Participants with Functional Gut Disorders and Healthy Controls. Metabolites, 2021, 11, 612.	1.3	12
47	Consumption of sheep milk compared to cow milk can affect trabecular bone ultrastructure in a rat model. Food and Function, 2019, 10, 163-171.	2.1	11
48	Metabolomics and Proteomics, and What to Do with All These â€˜Omes': Insights from Nutrigenomic Investigations in New Zealand. Journal of Nutrigenetics and Nutrigenomics, 2014, 7, 274-282.	1.8	10
49	Genetic regulation of antibody responsiveness to immunization in substrains of <scp>BALB</scp>/c mice. Immunology and Cell Biology, 2019, 97, 39-53.	1.0	10
50	The effects of a wool hydrolysate on short-chain fatty acid production and fecal microbial composition in the domestic cat (Felis catus). Food and Function, 2018, 9, 4107-4121.	2.1	9
51	In Vitro Fermentation of Sheep and Cow Milk Using Infant Fecal Bacteria. Nutrients, 2020, 12, 1802.	1.7	9
52	Gene Expression Changes in the Colon Epithelium Are Similar to Those of Intact Colon during Late Inflammation in Interleukin-10 Gene Deficient Mice. PLoS ONE, 2013, 8, e63251.	1.1	8
53	Effect of rotor type on the separation of isotope-labeled and unlabeled <i>Escherichia coli</i> RNA by isopycnic density ultracentrifugation. Canadian Journal of Microbiology, 2017, 63, 83-87.	0.8	8
54	Minerals in Sheep Milk. , 2017, , 345-362.		8

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55	The Distribution of Essential, Trace, and Nonessential Minerals in Weanling Male Rats Fed Sheep or Cow Milk. Molecular Nutrition and Food Research, 2018, 62, e1800482.	1.5	8
56	In vitro Fermentation of Digested Milk Fat Globule Membrane From Ruminant Milk Modulates Piglet Ileal and Caecal Microbiota. Frontiers in Nutrition, 2020, 7, 91.	1.6	8
57	Potential Association Between Dietary Fibre and Humoral Response to the Seasonal Influenza Vaccine. Frontiers in Immunology, 2021, 12, 765528.	2.2	8
58	Human milk and infant formula differentially alters the microbiota composition and functional gene relative abundance in the small and large intestines in weanling rats. European Journal of Nutrition, 2020, 59, 2131-2143.	1.8	7
59	Cohort Profile: The Christchurch IBS cOhort to investigate Mechanisms FOr gut Relief and improved Transit (COMFORT). Inflammatory Intestinal Diseases, 2020, 5, 132-143.	0.8	7
60	Goat milk increases gastric emptying and alters caecal short chain fatty acid profile compared with cow milk in healthy rats. Food and Function, 2020, 11, 8573-8582.	2.1	7
61	Prebiotic effects of fermentable carbohydrate polymers may be modulated by faecal bulking of nonâ€fermentable polysaccharides in the large bowel of rats. International Journal of Food Science and Technology, 2012, 47, 968-976.	1.3	6
62	Digestive-resistant carbohydrates affect lipid metabolism in rats. Metabolomics, 2016, 12, 1.	1.4	6
63	Comparison of the bioactivity of whole and skimmed digested sheep milk with that of digested goat and cow milk in functional cell culture assays. Small Ruminant Research, 2017, 149, 202-208.	0.6	6
64	The Effect of Sheep and Cow Milk Supplementation of a Low Calcium Diet on the Distribution of Macro and Trace Minerals in the Organs of Weanling Rats. Nutrients, 2020, 12, 594.	1.7	6
65	Adaptation of the infant gut microbiome during the complementary feeding transition. PLoS ONE, 2022, 17, e0270213.	1.1	5
66	Bioactive and immunoreactive FSH concentrations in ewe and ram lambs over the first year of life. Animal Reproduction Science, 1998, 51, 155-166.	0.5	4
67	A feasibility study: association between gut microbiota enterotype and antibody response to seasonal trivalent influenza vaccine in adults. Clinical and Translational Immunology, 2018, 7, e1013.	1.7	4
68	The Effect of the Supplementation of a Diet Low in Calcium and Phosphorus with Either Sheep Milk or Cow Milk on the Physical and Mechanical Characteristics of Bone using A Rat Model. Foods, 2020, 9, 1070.	1.9	4
69	Microbial signalling in colonic motility. International Journal of Biochemistry and Cell Biology, 2021, 134, 105963.	1.2	4
70	Su1576 â€“ Metabolomic Profiling of Subjects with Functional Gastrointestinal Disorders: A Case/Control Study in New Zealand Reveals Significant Perturbations in Plasma Lipid and Metabolite Levels. Gastroenterology, 2019, 156, S-569-S-570.	0.6	2
71	Complete Genome Sequence of Lactobacillus fermentum Strain AGR1485, a Human Oral Isolate. Microbiology Resource Announcements, 2020, 9, .	0.3	2
72	Effects of Prenatal Consumption of Caprine Milk Oligosaccharides on Mice Mono-associated with Bifidobacterium Bifidum (AGR2166). Open Microbiology Journal, 2017, 11, 105-111.	0.2	2

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73	The COMFORT Cohort: Identifying Biomarkers Relevant to Functional Gastrointestinal Disorders (P20-039-19). Current Developments in Nutrition, 2019, 3, nzz040.P20-039-19.	0.1	1
74	Complete Annotated Genome Sequence of Limosilactobacillus fermentum AGR1487. Microbiology Resource Announcements, 2021, 10, .	0.3	1
75	Identifying biomarkers relevant to functional gastrointestinal disorders using a systems biology approach. FASEB Journal, 2018, 32, 759.7.	0.2	1
76	Dietary format alters faecal bacterial phyla in the domestic cat (Felis catus). FASEB Journal, 2012, 26, lb763.	0.2	1
77	In Vitro Assessment of Hydrolysed Collagen Fermentation Using Domestic Cat (Felis catus) Faecal Inocula. Animals, 2022, 12, 498.	1.0	1
78	â€œNourish to Flourishâ€: complementary feeding for a healthy infant gut microbiomeâ€"a non-randomised pilot feasibility study. Pilot and Feasibility Studies, 2022, 8, 103.	0.5	1
79	Interactions of Milk Proteins With Minerals. , 2019, , 395-403.		0
80	1104 â€" Integrated Multi-Omics Analysis of the Faecal Microbiome and Plasma Lipidome from a New Zealand Irritable Bowel Syndrome Case/Control Study. Gastroenterology, 2019, 156, S-235-S-236.	0.6	0
81	Su1577 â€" Understanding the Role of Bile Acids in Irritable Bowel Syndrome. Gastroenterology, 2019, 156, S-570.	0.6	0
82	The Microbiome in Functional Gastrointestinal Disorders Is Characterized by Bacteria and Genes Involved in Carbohydrate and Bile Acid Metabolism (OR23-01-19). Current Developments in Nutrition, 2019, 3, nzz040.OR23-01-19.	0.1	0
83	Lipid and Metabolite Profiles in Human Plasma and Associations with the Microbiome and Functional Gastrointestinal Disorders (P20-033-19). Current Developments in Nutrition, 2019, 3, nzz040.P20-033-19.	0.1	0
84	Understanding How Metabolites Link Diet, Host, and Microbiota in a Dysfunctional Gut Model Is Important to Establishing a System-wide Understanding of Gut Function (P20-035-19). Current Developments in Nutrition, 2019, 3, nzz040.P20-035-19.	0.1	0
85	1099 â€" The Microbiome in Irritable Bowel Syndrome: Insights from a Case/Control Study in New Zealand Reveals Significant Differences in Faecalibacterium, Bilophila, and Genes Involved in Carbohydrate and Amino Acid Metabolism. Gastroenterology, 2019, 156, S-234.	0.6	0
86	Connecting Infant Complementary Feeding Patterns with Microbiome Development. Current Developments in Nutrition, 2020, 4, nzaa054_106.	0.1	0
87	Association of Habitual Dietary Fiber Intake and Fecal Microbiome Gene Abundance with Gastrointestinal Symptoms in an Irritable Bowel Syndrome Cohort. Current Developments in Nutrition, 2020, 4, nzaa062_038.	0.1	0
88	Mo1339 RELATIVE ABUNDANCES OF MICROBIAL GENES INVOLVED IN GALACTOSE AND PORPHYRIN METABOLISM ARE ALTERED IN DIARRHEA-PREDOMINANT FUNCTIONAL GASTROINTESTINAL DISORDERS. Gastroenterology, 2020, 158, S-856.	0.6	0
89	NexGen Sequencing Data: Bioinformatic Tools for Visualization and Analysis. , 2021, , 47-90.		0
90	Exploring the link between Irritable Bowel Syndrome and the microbiome. FASEB Journal, 2018, 32, 765.4.	0.2	0

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91	Comprehensive Compositional Analysis of the Slit Lamp Bacteriota. Frontiers in Cellular and Infection Microbiology, 2021, 11, 745653.	1.8	0