

Nicole C Roy

List of Publications by Year in descending order

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187
papers

5,544
citations

116194

36
h-index

116156

66
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191
all docs

191
docs citations

191
times ranked

9074
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation of Tight Junction Permeability by Intestinal Bacteria and Dietary Components ^{1,2} . <i>Journal of Nutrition</i> , 2011, 141, 769-776.	1.3	901
2	<i>Lactobacillus plantarum</i> MB452 enhances the function of the intestinal barrier by increasing the expression levels of genes involved in tight junction formation. <i>BMC Microbiology</i> , 2010, 10, 316.	1.3	340
3	The Role of Cell Surface Architecture of Lactobacilli in Host-Microbe Interactions in the Gastrointestinal Tract. <i>Mediators of Inflammation</i> , 2013, 2013, 1-16.	1.4	199
4	<i>Lactobacillus plantarum</i> DSM 2648 is a potential probiotic that enhances intestinal barrier function. <i>FEMS Microbiology Letters</i> , 2010, 309, no-no.	0.7	126
5	The effects of dietary protein intake on appendicular lean mass and muscle function in elderly men: a 10-wk randomized controlled trial. <i>American Journal of Clinical Nutrition</i> , 2017, 106, 1375-1383.	2.2	106
6	The Role of the Gut Microbiota in Dietary Interventions for Depression and Anxiety. <i>Advances in Nutrition</i> , 2020, 11, 890-907.	2.9	104
7	The Classification and Evolution of Bacterial Cross-Feeding. <i>Frontiers in Ecology and Evolution</i> , 2019, 7, .	1.1	100
8	Hydrogen cross-feeders of the human gastrointestinal tract. <i>Gut Microbes</i> , 2019, 10, 270-288.	4.3	100
9	Can Nutritional Modulation of Maternal Intestinal Microbiota Influence the Development of the Infant Gastrointestinal Tract?. <i>Journal of Nutrition</i> , 2012, 142, 1921-1928.	1.3	96
10	Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in <i>mdr1a^{-/-}</i> mice, a model of inflammatory bowel diseases. <i>Nutrition</i> , 2012, 28, 324-330.	1.1	89
11	The effects of dietary curcumin and rutin on colonic inflammation and gene expression in multidrug resistance gene-deficient (<i>mdr1a^{-/-}</i>) mice, a model of inflammatory bowel diseases. <i>British Journal of Nutrition</i> , 2009, 101, 169-181.	1.2	88
12	Dietary A1β-casein affects gastrointestinal transit time, dipeptidyl peptidase-4 activity, and inflammatory status relative to A2β-casein in Wistar rats. <i>International Journal of Food Sciences and Nutrition</i> , 2014, 65, 720-727.	1.3	83
13	Evaluation of protease resistance and toxicity of amyloid-like food fibrils from whey, soy, kidney bean, and egg white. <i>Food Chemistry</i> , 2016, 192, 491-498.	4.2	81
14	The effects of carbohydrate structure on the composition and functionality of the human gut microbiota. <i>Trends in Food Science and Technology</i> , 2020, 97, 233-248.	7.8	75
15	Live$F$$acalibacterium$ prausnitzii$/i$ in an apical anaerobic model of the intestinal epithelial barrier. <i>Cellular Microbiology</i> , 2015, 17, 226-240.	1.1	73
16	Characterization of intestinal inflammation and identification of related gene expression changes in <i>mdr1a^{-/-}</i> mice. <i>Genes and Nutrition</i> , 2007, 2, 209-223.	1.2	67
17	Metabolomic Analysis Identifies Inflammatory and Noninflammatory Metabolic Effects of Genetic Modification in a Mouse Model of Crohn's Disease. <i>Journal of Proteome Research</i> , 2010, 9, 1965-1975.	1.8	64
18	Global DNA methylation measurement by HPLC using low amounts of DNA. <i>Biotechnology Journal</i> , 2011, 6, 113-117.	1.8	64

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19	Dietary format alters fecal bacterial populations in the domestic cat (<i>Felis catus</i>). <i>MicrobiologyOpen</i> , 2013, 2, 173-181.	1.2	64
20	Selenium-Enriched Foods Are More Effective at Increasing Glutathione Peroxidase (GPx) Activity Compared with Selenomethionine: A Meta-Analysis. <i>Nutrients</i> , 2014, 6, 4002-4031.	1.7	64
21	Understanding How Commensal Obligate Anaerobic Bacteria Regulate Immune Functions in the Large Intestine. <i>Nutrients</i> , 2015, 7, 45-73.	1.7	62
22	Nutrigenomics applied to an animal model of Inflammatory Bowel Diseases: Transcriptomic analysis of the effects of eicosapentaenoic acid- and arachidonic acid-enriched diets. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2007, 622, 103-116.	0.4	60
23	A comparison of analog and Next-Generation transcriptomic tools for mammalian studies. <i>Briefings in Functional Genomics</i> , 2011, 10, 135-150.	1.3	59
24	Increasing Evidence That Irritable Bowel Syndrome and Functional Gastrointestinal Disorders Have a Microbial Pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 468.	1.8	58
25	Changes in colon gene expression associated with increased colon inflammation in interleukin-10 gene-deficient mice inoculated with <i>Enterococcus</i> species. <i>BMC Immunology</i> , 2010, 11, 39.	0.9	55
26	The Microbiome-Gut-Brain Axis and Resilience to Developing Anxiety or Depression under Stress. <i>Microorganisms</i> , 2021, 9, 723.	1.6	50
27	Protein-tannic acid multilayer films: A multifunctional material for microencapsulation of food-derived bioactives. <i>Journal of Colloid and Interface Science</i> , 2017, 505, 332-340.	5.0	48
28	Gut-Brain Axis in the Early Postnatal Years of Life: A Developmental Perspective. <i>Frontiers in Integrative Neuroscience</i> , 2020, 14, 44.	1.0	48
29	The Gut Microbiome Is Altered in Postmenopausal Women With Osteoporosis and Osteopenia. <i>JBMR Plus</i> , 2021, 5, e10452.	1.3	48
30	Genome-Wide Analysis of Dietary Eicosapentaenoic Acid- and Oleic Acid-Induced Modulation of Colon Inflammation in Interleukin-10 Gene-Deficient Mice. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2009, 2, 9-28.	1.8	44
31	Human Breast Milk and Infant Formulas Differentially Modify the Intestinal Microbiota in Human Infants and Host Physiology in Rats. <i>Journal of Nutrition</i> , 2016, 146, 191-199.	1.3	44
32	Multidrug resistance gene deficient (<i>mdr1a</i> ^{-/-}) mice have an altered caecal microbiota that precedes the onset of intestinal inflammation. <i>Journal of Applied Microbiology</i> , 2009, 107, 557-566.	1.4	42
33	Circulatory miRNA biomarkers of metabolic syndrome. <i>Acta Diabetologica</i> , 2020, 57, 203-214.	1.2	42
34	Changes in Composition of Caecal Microbiota Associated with Increased Colon Inflammation in Interleukin-10 Gene-Deficient Mice Inoculated with <i>Enterococcus</i> Species. <i>Nutrients</i> , 2015, 7, 1798-1816.	1.7	41
35	Metabolism of Caprine Milk Carbohydrates by Probiotic Bacteria and Caco-2:HT29â€œMTX Epithelial Co-Cultures and Their Impact on Intestinal Barrier Integrity. <i>Nutrients</i> , 2018, 10, 949.	1.7	41
36	Initiation and elongation steps of mRNA translation are involved in the increase in milk protein yield caused by growth hormone administration during lactation. <i>Journal of Dairy Science</i> , 2009, 92, 1889-1899.	1.4	40

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37	Omics analysis reveals variations among commercial sources of bovine milk fat globule membrane. <i>Journal of Dairy Science</i> , 2020, 103, 3002-3016.	1.4	40
38	A combined omics approach to evaluate the effects of dietary curcumin on colon inflammation in the Mdr1a ^{-/-} mouse model of inflammatory bowel disease. <i>Journal of Nutritional Biochemistry</i> , 2016, 27, 181-192.	1.9	39
39	Composition and enrichment of caprine milk oligosaccharides from New Zealand Saanen goat cheese whey. <i>Journal of Food Composition and Analysis</i> , 2015, 42, 30-37.	1.9	38
40	Live <i>Faecalibacterium prausnitzii</i> Does Not Enhance Epithelial Barrier Integrity in an Apical Anaerobic Co-Culture Model of the Large Intestine. <i>Nutrients</i> , 2017, 9, 1349.	1.7	37
41	Investigating micronutrients and epigenetic mechanisms in relation to inflammatory bowel disease. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 690, 71-80.	0.4	36
42	The Effect of Turmeric (<i>Curcuma longa</i>) Extract on the Functionality of the Solute Carrier Protein 22 A4 (SLC22A4) and Interleukin-10 (IL-10) Variants Associated with Inflammatory Bowel Disease. <i>Nutrients</i> , 2014, 6, 4178-4190.	1.7	36
43	RNA ² Stable-Isotope Probing Shows Utilization of Carbon from Inulin by Specific Bacterial Populations in the Rat Large Bowel. <i>Applied and Environmental Microbiology</i> , 2014, 80, 2240-2247.	1.4	36
44	Modulation of colonic inflammation in Mdr1a ^{-/-} mice by green tea polyphenols and their effects on the colon transcriptome and proteome. <i>Journal of Nutritional Biochemistry</i> , 2013, 24, 1678-1690.	1.9	34
45	Association of Plasma Lipids and Polar Metabolites with Low Bone Mineral Density in Singaporean-Chinese Menopausal Women: A Pilot Study. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 1045.	1.2	33
46	Tracking gastrointestinal transit of solids in aged rats as pharmacological models of chronic dysmotility. <i>Neurogastroenterology and Motility</i> , 2016, 28, 1241-1251.	1.6	31
47	Lean Body Mass in the Prediction of Bone Mineral Density in Postmenopausal Women. <i>BioResearch Open Access</i> , 2018, 7, 150-158.	2.6	31
48	Inflammatory markers and bone health in postmenopausal women: a cross-sectional overview. <i>Immunity and Ageing</i> , 2019, 16, 15.	1.8	31
49	Influence of the Fruit Juice Carriers on the Ability of <i>Lactobacillus plantarum</i> DSM20205 to Improve <i>in Vitro</i> Intestinal Barrier Integrity and Its Probiotic Properties. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 5632-5638.	2.4	30
50	The Relationship between Nutrient Patterns and Bone Mineral Density in Postmenopausal Women. <i>Nutrients</i> , 2019, 11, 1262.	1.7	30
51	Kiwifruit extracts inhibit cytokine production by lipopolysaccharide-activated macrophages, and intestinal epithelial cells isolated from IL10 gene deficient mice. <i>Cellular Immunology</i> , 2011, 270, 70-79.	1.4	29
52	Bacterial biofilms associated with food particles in the human large bowel. <i>Molecular Nutrition and Food Research</i> , 2011, 55, 969-978.	1.5	29
53	Changes in Bowel Microbiota Induced by Feeding Weanlings Resistant Starch Stimulate Transcriptomic and Physiological Responses. <i>Applied and Environmental Microbiology</i> , 2012, 78, 6656-6664.	1.4	29
54	Dietary arachidonic acid ² mediated effects on colon inflammation using transcriptome analysis. <i>Molecular Nutrition and Food Research</i> , 2010, 54, S62-74.	1.5	28

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55	Proteomic Analysis of Colon Tissue from Interleukin-10 Gene-Deficient Mice Fed Polyunsaturated Fatty Acids with Comparison to Transcriptomic Analysis. <i>Journal of Proteome Research</i> , 2012, 11, 1065-1077.	1.8	28
56	<i>Bifidobacterium pseudolongum</i> in the Ceca of Rats Fed Hi-Maize Starch Has Characteristics of a Keystone Species in Bifidobacterial Blooms. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	28
57	Protein Intake at Twice the RDA in Older Men Increases Circulatory Concentrations of the Microbiome Metabolite Trimethylamine-N-Oxide (TMAO). <i>Nutrients</i> , 2019, 11, 2207.	1.7	28
58	Seasonal and age effects on energy requirements in domestic short-haired cats (<i>Felis catus</i>) in a temperate environment. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2013, 97, 522-530.	1.0	27
59	Gastric Emptying and Gastrointestinal Transit Compared among Native and Hydrolyzed Whey and Casein Milk Proteins in an Aged Rat Model. <i>Nutrients</i> , 2017, 9, 1351.	1.7	27
60	Effect of a Semi-Purified Oligosaccharide-Enriched Fraction from Caprine Milk on Barrier Integrity and Mucin Production of Co-Culture Models of the Small and Large Intestinal Epithelium. <i>Nutrients</i> , 2016, 8, 267.	1.7	26
61	The Anti-Proliferative Effects of Enterolactone in Prostate Cancer Cells: Evidence for the Role of DNA Licencing Genes, mi-R106b Cluster Expression, and PTEN Dosage. <i>Nutrients</i> , 2014, 6, 4839-4855.	1.7	25
62	Gastroparesis and lipid metabolism-associated dysbiosis in Wistar-Kyoto rats. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 313, G62-G72.	1.6	25
63	Infant Complementary Feeding of Prebiotics for the Microbiome and Immunity. <i>Nutrients</i> , 2019, 11, 364.	1.7	25
64	Effects of kiwifruit extracts on colonic gene and protein expression levels in IL-10 gene-deficient mice. <i>British Journal of Nutrition</i> , 2012, 108, 113-129.	1.2	24
65	Metabolome and microbiome profiling of a stress-sensitive rat model of gut-brain axis dysfunction. <i>Scientific Reports</i> , 2019, 9, 14026.	1.6	23
66	The interactions between endogenous bacteria, dietary components and the mucus layer of the large bowel. <i>Food and Function</i> , 2012, 3, 690.	2.1	22
67	Impact of Dietary Dairy Polar Lipids on Lipid Metabolism of Mice Fed a High-Fat Diet. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 2729-2738.	2.4	22
68	Gut Microbial Metabolites and Biochemical Pathways Involved in Irritable Bowel Syndrome: Effects of Diet and Nutrition on the Microbiome. <i>Journal of Nutrition</i> , 2020, 150, 1012-1021.	1.3	22
69	An in vitro rat model of colonic motility to determine the effect of $\hat{2}$ -casomorphin-5 on propagating contractions. <i>Food and Function</i> , 2014, 5, 2768-2774.	2.1	21
70	Plasma Biomarkers and Identification of Resilient Metabolic Disruptions in Patients With Venous Thromboembolism Using a Metabolic Systems Approach. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2020, 40, 2527-2538.	1.1	21
71	A Polyphenol Enriched Variety of Apple Alters Circulating Immune Cell Gene Expression and Faecal Microbiota Composition in Healthy Adults: A Randomized Controlled Trial. <i>Nutrients</i> , 2021, 13, 1092.	1.7	21
72	Increasing intake of long-chain n-3 PUFA enhances lipoperoxidation and modulates hepatic gene expression in a dose-dependent manner. <i>British Journal of Nutrition</i> , 2012, 107, 1254-1273.	1.2	20

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73	A Mathematical Model for the Hydrogenotrophic Metabolism of Sulphate-Reducing Bacteria. <i>Frontiers in Microbiology</i> , 2019, 10, 1652.	1.5	20
74	Lipidomics of Brain Tissues in Rats Fed Human Milk from Chinese Mothers or Commercial Infant Formula. <i>Metabolites</i> , 2019, 9, 253.	1.3	20
75	Post-weaning selenium and folate supplementation affects gene and protein expression and global DNA methylation in mice fed high-fat diets. <i>BMC Medical Genomics</i> , 2013, 6, 7.	0.7	19
76	Post-Weaning Diet Affects Faecal Microbial Composition but Not Selected Adipose Gene Expression in the Cat (<i>Felis catus</i>). <i>PLoS ONE</i> , 2013, 8, e80992.	1.1	19
77	Nematodes and nutrient partitioning. <i>Australian Journal of Experimental Agriculture</i> , 2003, 43, 1419.	1.0	18
78	Dietary oleic acid as a control fatty acid for polyunsaturated fatty acid intervention studies: A transcriptomics and proteomics investigation using interleukin-10 gene-deficient mice. <i>Biotechnology Journal</i> , 2010, 5, 1226-1240.	1.8	17
79	Diversity of caecal bacteria is altered in interleukin-10 gene-deficient mice before and after colitis onset and when fed polyunsaturated fatty acids. <i>Microbiology (United Kingdom)</i> , 2010, 156, 3306-3316.	0.7	17
80	Evaluation of gastrointestinal transit in rats fed dietary fibres differing in their susceptibility to large intestine fermentation. <i>Journal of Functional Foods</i> , 2012, 4, 107-115.	1.6	17
81	Anti-proliferative effects of physiological concentrations of enterolactone in models of prostate tumourigenesis. <i>Molecular Nutrition and Food Research</i> , 2013, 57, 212-224.	1.5	17
82	Bowel Microbiota Moderate Host Physiological Responses to Dietary Konjac in Weanling Rats ¹ 3. <i>Journal of Nutrition</i> , 2013, 143, 1052-1060.	1.3	17
83	Monoculture parameters successfully predict coculture growth kinetics of <i>Bacteroides thetaiotaomicron</i> and two <i>Bifidobacterium</i> strains. <i>International Journal of Food Microbiology</i> , 2014, 191, 172-181.	2.1	17
84	A mathematical model of the effect of pH and food matrix composition on fluid transport into foods: An application in gastric digestion and cheese brining. <i>Food Research International</i> , 2014, 57, 34-43.	2.9	17
85	Prenatal caprine milk oligosaccharide consumption affects the development of mice offspring. <i>Molecular Nutrition and Food Research</i> , 2016, 60, 2076-2085.	1.5	17
86	Expression profiling indicating low selenium-sensitive microRNA levels linked to cell cycle and cell stress response pathways in the CaCo-2 cell line. <i>British Journal of Nutrition</i> , 2017, 117, 1212-1221.	1.2	17
87	Influence of Bovine Whey Protein Concentrate and Hydrolysate Preparation Methods on Motility in the Isolated Rat Distal Colon. <i>Nutrients</i> , 2016, 8, 809.	1.7	16
88	Human oral isolate <i>Lactobacillus fermentum</i> AGR1487 induces a pro-inflammatory response in germ-free rat colons. <i>Scientific Reports</i> , 2016, 6, 20318.	1.6	16
89	Pro-inflammatory adjuvant properties of pigment-grade titanium dioxide particles are augmented by a genotype that potentiates interleukin 1 β processing. <i>Particle and Fibre Toxicology</i> , 2017, 14, 51.	2.8	16
90	Molecular Characterization of the Onset and Progression of Colitis in Inoculated Interleukin-10 Gene-Deficient Mice: A Role for PPAR α . <i>PPAR Research</i> , 2010, 2010, 1-18.	1.1	15

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91	Low Folate and Selenium in the Mouse Maternal Diet Alters Liver Gene Expression Patterns in the Offspring after Weaning. <i>Nutrients</i> , 2015, 7, 3370-3386.	1.7	15
92	<i>In Vitro</i> Fermentation of caprine milk oligosaccharides by bifidobacteria isolated from breast-fed infants. <i>Gut Microbes</i> , 2015, 6, 352-363.	4.3	15
93	Impaired Ribosome Biogenesis and Skeletal Muscle Growth in a Murine Model of Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , 2016, 22, 268-278.	0.9	15
94	Bovine dairy complex lipids improve in vitro measures of small intestinal epithelial barrier integrity. <i>PLoS ONE</i> , 2018, 13, e0190839.	1.1	15
95	The Effects of Unfermented and Fermented Cow and Sheep Milk on the Gut Microbiota. <i>Frontiers in Microbiology</i> , 2019, 10, 458.	1.5	15
96	Five-week dietary exposure to dry diets alters the faecal bacterial populations in the domestic cat (<i>Felis catus</i>). <i>British Journal of Nutrition</i> , 2011, 106, S49-S52.	1.2	14
97	Association of Insulin Resistance with Bone Strength and Bone Turnover in Menopausal Chinese-Singaporean Women without Diabetes. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 889.	1.2	14
98	Smart Foods from the pastoral sector - implications for meat and milk producers. <i>Australian Journal of Experimental Agriculture</i> , 2008, 48, 726.	1.0	14
99	Human Oral Isolate <i>Lactobacillus fermentum</i> AGR1487 Reduces Intestinal Barrier Integrity by Increasing the Turnover of Microtubules in Caco-2 Cells. <i>PLoS ONE</i> , 2013, 8, e78774.	1.1	14
100	Anisotropic nutrient transport in three-dimensional single species bacterial biofilms. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1280-1292.	1.7	13
101	Mammary transcriptome analysis of lactating dairy cows following administration of bovine growth hormone. <i>Animal</i> , 2016, 10, 2008-2017.	1.3	13
102	Glycan Utilisation and Function in the Microbiome of Weaning Infants. <i>Microorganisms</i> , 2019, 7, 190.	1.6	13
103	Live <i>Faecalibacterium prausnitzii</i> induces greater TLR2 and TLR2/6 activation than the dead bacterium in an apical anaerobic co-culture system. <i>Cellular Microbiology</i> , 2018, 20, e12805.	1.1	12
104	A Murine Oral Exposure Model for Nano- and Micro-Particulates: Demonstrating Human Relevance with Food-Grade Titanium Dioxide. <i>Small</i> , 2020, 16, e2000486.	5.2	12
105	Examination of hydrogen cross-feeders using a colonic microbiota model. <i>BMC Bioinformatics</i> , 2021, 22, 3.	1.2	12
106	Concentrations of Fecal Bile Acids in Participants with Functional Gut Disorders and Healthy Controls. <i>Metabolites</i> , 2021, 11, 612.	1.3	12
107	Circulatory and Urinary B-Vitamin Responses to Multivitamin Supplement Ingestion Differ between Older and Younger Adults. <i>Nutrients</i> , 2020, 12, 3529.	1.7	11
108	Effects of short- and long-term glucocorticoid-induced osteoporosis on plasma metabolome and lipidome of ovariectomized sheep. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 349.	0.8	11

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109	Metabolomics and Proteomics, and What to Do with All These ‘Omics’: Insights from Nutrigenomic Investigations in New Zealand. <i>Journal of Nutrigenetics and Nutrigenomics</i> , 2014, 7, 274-282.	1.8	10
110	Effect of Dietary Complex Lipids on the Biosynthesis of Piglet Brain Gangliosides. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 1245-1255.	2.4	10
111	Short communication: Early-lactation, but not mid-lactation, bovine lactoferrin preparation increases epithelial barrier integrity of Caco-2 cell layers. <i>Journal of Dairy Science</i> , 2017, 100, 886-891.	1.4	10
112	Short communication: Processed bovine colostrum milk protein concentrate increases epithelial barrier integrity of Caco-2 cell layers. <i>Journal of Dairy Science</i> , 2019, 102, 10772-10778.	1.4	10
113	Dietary Patterns, Body Composition, and Bone Health in New Zealand Postmenopausal Women. <i>Frontiers in Nutrition</i> , 2020, 7, 563689.	1.6	10
114	A period of 10 weeks of increased protein consumption does not alter faecal microbiota or volatile metabolites in healthy older men: a randomised controlled trial. <i>Journal of Nutritional Science</i> , 2020, 9, e25.	0.7	10
115	Folate and Vitamin B12 Status Is Associated With Bone Mineral Density and Hip Strength of Postmenopausal Chinese Singaporean Women. <i>JBMR Plus</i> , 2020, 4, e10399.	1.3	10
116	Comprehensive Profiling of the Circulatory miRNAome Response to a High Protein Diet in Elderly Men: A Potential Role in Inflammatory Response Modulation. <i>Molecular Nutrition and Food Research</i> , 2019, 63, 1800811.	1.5	9
117	Differences in Compositions of Gut Bacterial Populations and Bacteriophages in 11 Year-Olds Born Preterm Compared to Full Term. <i>Frontiers in Cellular and Infection Microbiology</i> , 2020, 10, 276.	1.8	9
118	Post-weaning effects of milk and milk components on the intestinal mucosa in inflammation. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2010, 690, 64-70.	0.4	8
119	Gene Expression Changes in the Colon Epithelium Are Similar to Those of Intact Colon during Late Inflammation in Interleukin-10 Gene Deficient Mice. <i>PLoS ONE</i> , 2013, 8, e63251.	1.1	8
120	Determination of potential metabolic pathways of human intestinal bacteria by modeling growth kinetics from cross-feeding dynamics. <i>Food Research International</i> , 2016, 88, 207-216.	2.9	8
121	Promotility Action of the Probiotic <i>Bifidobacterium lactis</i> HN019 Extract Compared with Prucalopride in Isolated Rat Large Intestine. <i>Frontiers in Neuroscience</i> , 2017, 11, 20.	1.4	8
122	Glucocorticoids affect bone mineral density and bone remodelling in OVX sheep: A pilot study. <i>Bone Reports</i> , 2018, 9, 173-180.	0.2	8
123	In vitro Fermentation of Digested Milk Fat Globule Membrane From Ruminant Milk Modulates Piglet Ileal and Caecal Microbiota. <i>Frontiers in Nutrition</i> , 2020, 7, 91.	1.6	8
124	Heat-Treatments Affect Protease Activities and Peptide Profiles of Ruminants' Milk. <i>Frontiers in Nutrition</i> , 2021, 8, 626475.	1.6	8
125	Porcine colonoids and enteroids keep the memory of their origin during regeneration. <i>American Journal of Physiology - Cell Physiology</i> , 2021, 320, C794-C805.	2.1	8
126	Impact of a High Protein Intake on the Plasma Metabolome in Elderly Males: 10 Week Randomized Dietary Intervention. <i>Frontiers in Nutrition</i> , 2019, 6, 180.	1.6	7

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127	Human milk and infant formula differentially alters the microbiota composition and functional gene relative abundance in the small and large intestines in weanling rats. <i>European Journal of Nutrition</i> , 2020, 59, 2131-2143.	1.8	7
128	Cohort Profile: The Christchurch IBS cOhort to investigate Mechanisms FOr gut Relief and improved Transit (COMFORT). <i>Inflammatory Intestinal Diseases</i> , 2020, 5, 132-143.	0.8	7
129	Mathematical modelling supports the existence of a threshold hydrogen concentration and media-dependent yields in the growth of a reductive acetogen. <i>Bioprocess and Biosystems Engineering</i> , 2020, 43, 885-894.	1.7	7
130	Prebiotic effects of fermentable carbohydrate polymers may be modulated by faecal bulking of non-fermentable polysaccharides in the large bowel of rats. <i>International Journal of Food Science and Technology</i> , 2012, 47, 968-976.	1.3	6
131	Digestive-resistant carbohydrates affect lipid metabolism in rats. <i>Metabolomics</i> , 2016, 12, 1.	1.4	6
132	The fate of ¹³ C-labelled and non-labelled inulin predisposed to large bowel fermentation in rats. <i>Food and Function</i> , 2016, 7, 1825-1832.	2.1	6
133	Understanding the Effects of Lactose Hydrolysis Modeling on the Main Oligosaccharides in Goat Milk Whey Permeate. <i>Molecules</i> , 2019, 24, 3294.	1.7	6
134	Effects of microwave processing conditions on microbial safety and antimicrobial proteins in bovine milk. <i>Journal of Food Processing and Preservation</i> , 2020, 44, e14348.	0.9	6
135	Whole-body valine and cysteine kinetics and tissue fractional protein synthesis rates in lambs fed <i>Sulla</i> (<i>Hedysarum coronarium</i>) and infected or not infected with adult <i>Trichostrongylus colubriformis</i> . <i>British Journal of Nutrition</i> , 2006, 96, 28-38.	1.2	6
136	The role of holistic nutritional properties of diets in the assessment of food system and dietary sustainability. <i>Critical Reviews in Food Science and Nutrition</i> , 2023, 63, 5117-5137.	5.4	6
137	Isotopic labeling of milk disialogangliosides (GD3). <i>Chemistry and Physics of Lipids</i> , 2016, 200, 104-112.	1.5	5
138	Regulation of Amino Acid Transporters and Sensors in Response to a High protein Diet: A Randomized Controlled Trial in Elderly Men. <i>Journal of Nutrition, Health and Aging</i> , 2019, 23, 354-363.	1.5	5
139	Adaptation of the infant gut microbiome during the complementary feeding transition. <i>PLoS ONE</i> , 2022, 17, e0270213.	1.1	5
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