Nicole C Roy

List of Publications by Year
in descending order

187 papers	5,544 citations	101543 36 h-index	102487 66 g-index
191 all docs	191 docs citations	191 times ranked	8415 citing authors

#	Article	IF	Citations
1	Regulation of Tight Junction Permeability by Intestinal Bacteria and Dietary Components1,2. Journal of Nutrition, 2011, 141, 769-776.	2.9	901
2	Lactobacillus plantarum MB452 enhances the function of the intestinal barrier by increasing the expression levels of genes involved in tight junction formation. BMC Microbiology, 2010, 10, 316.	3.3	340
3	The Role of Cell Surface Architecture of Lactobacilli in Host-Microbe Interactions in the Gastrointestinal Tract. Mediators of Inflammation, 2013, 2013, 1-16.	3.0	199
4	Lactobacillus plantarum DSM 2648 is a potential probiotic that enhances intestinal barrier function. FEMS Microbiology Letters, 2010, 309, no-no.	1.8	126
5	The effects of dietary protein intake on appendicular lean mass and muscle function in elderly men: a 10-wk randomized controlled trial. American Journal of Clinical Nutrition, 2017, 106, 1375-1383.	4.7	106
6	The Role of the Gut Microbiota in Dietary Interventions for Depression and Anxiety. Advances in Nutrition, 2020, 11, 890-907.	6.4	104
7	The Classification and Evolution of Bacterial Cross-Feeding. Frontiers in Ecology and Evolution, 2019, 7, .	2.2	100
8	Hydrogen cross-feeders of the human gastrointestinal tract. Gut Microbes, 2019, 10, 270-288.	9.8	100
9	Can Nutritional Modulation of Maternal Intestinal Microbiota Influence the Development of the Infant Gastrointestinal Tract?,. Journal of Nutrition, 2012, 142, 1921-1928.	2.9	96
10	Influence of dietary blueberry and broccoli on cecal microbiota activity and colon morphology in mdr1aâˆ’/âˆ’ mice, a model of inflammatory bowel diseases. Nutrition, 2012, 28, 324-330.	2.4	89
11	The effects of dietary curcumin and rutin on colonic inflammation and gene expression in multidrug resistance gene-deficient (mdr1aâˆ’/âˆ’) mice, a model of inflammatory bowel diseases. British Journal of Nutrition, 2009, 101, 169-181.	2.3	88
12	Dietary A1Î²-casein affects gastrointestinal transit time, dipeptidyl peptidase-4 activity, and inflammatory status relative to A2Î²-casein in Wistar rats. International Journal of Food Sciences and Nutrition, 2014, 65, 720-727.	2.8	83
13	Evaluation of protease resistance and toxicity of amyloid-like food fibrils from whey, soy, kidney bean, and egg white. Food Chemistry, 2016, 192, 491-498.	8.2	81
14	The effects of carbohydrate structure on the composition and functionality of the human gut microbiota. Trends in Food Science and Technology, 2020, 97, 233-248.	15.1	75
15	LiveFaecalibacterium prausnitziiin an apical anaerobic model of the intestinal epithelial barrier. Cellular Microbiology, 2015, 17, 226-240.	2.1	73
16	Characterization of intestinal inflammation and identification of related gene expression changes in mdr1aâˆ’/âˆ’ mice. Genes and Nutrition, 2007, 2, 209-223.	2.5	67
17	Metabolomic Analysis Identifies Inflammatory and Noninflammatory Metabolic Effects of Genetic Modification in a Mouse Model of Crohnâ€™s Disease. Journal of Proteome Research, 2010, 9, 1965-1975.	3.7	64
18	Global DNA methylation measurement by HPLC using low amounts of DNA. Biotechnology Journal, 2011, 6, 113-117.	3.5	64

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19	Dietary format alters fecal bacterial populations in the domestic cat (<scp>F</scp>elis catus). MicrobiologyOpen, 2013, 2, 173-181.	3.0	64
20	Selenium-Enriched Foods Are More Effective at Increasing Glutathione Peroxidase (GPx) Activity Compared with Selenomethionine: A Meta-Analysis. Nutrients, 2014, 6, 4002-4031.	4.1	64
21	Understanding How Commensal Obligate Anaerobic Bacteria Regulate Immune Functions in the Large Intestine. Nutrients, 2015, 7, 45-73.	4.1	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. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2007, 622, 103-116.	1.0	60
23	A comparison of analog and Next-Generation transcriptomic tools for mammalian studies. Briefings in Functional Genomics, 2011, 10, 135-150.	2.7	59
24	Increasing Evidence That Irritable Bowel Syndrome and Functional Gastrointestinal Disorders Have a Microbial Pathogenesis. Frontiers in Cellular and Infection Microbiology, 2020, 10, 468.	3.9	58
25	Changes in colon gene expression associated with increased colon inflammation in interleukin-10 gene-deficient mice inoculated with Enterococcus species. BMC Immunology, 2010, 11, 39.	2.2	55
26	The Microbiome-Gut-Brain Axis and Resilience to Developing Anxiety or Depression under Stress. Microorganisms, 2021, 9, 723.	3.6	50
27	Protein-tannic acid multilayer films: A multifunctional material for microencapsulation of food-derived bioactives. Journal of Colloid and Interface Science, 2017, 505, 332-340.	9.4	48
28	Gut-Brain Axis in the Early Postnatal Years of Life: A Developmental Perspective. Frontiers in Integrative Neuroscience, 2020, 14, 44.	2.1	48
29	The Gut Microbiome Is Altered in Postmenopausal Women With Osteoporosis and Osteopenia. JBMR Plus, 2021, 5, e10452.	2.7	48
30	Genome-Wide Analysis of Dietary Eicosapentaenoic Acid- and Oleic Acid-Induced Modulation of Colon Inflammation in Interleukin-10 Gene-Deficient Mice. Journal of Nutrigenetics and Nutrigenomics, 2009, 2, 9-28.	1.3	44
31	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.	2.9	44
32	Multidrug resistance gene deficient (mdr1a^{-/-}) mice have an altered caecal microbiota that precedes the onset of intestinal inflammation. Journal of Applied Microbiology, 2009, 107, 557-566.	3.1	42
33	Circulatory miRNA biomarkers of metabolic syndrome. Acta Diabetologica, 2020, 57, 203-214.	2.5	42
34	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.	4.1	41
35	Metabolism of Caprine Milk Carbohydrates by Probiotic Bacteria and Caco-2:HT29â€“MTX Epithelial Co-Cultures and Their Impact on Intestinal Barrier Integrity. Nutrients, 2018, 10, 949.	4.1	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. Journal of Dairy Science, 2009, 92, 1889-1899.	3.4	40

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37	Omics analysis reveals variations among commercial sources of bovine milk fat globule membrane. Journal of Dairy Science, 2020, 103, 3002-3016.	3.4	40
38	A combined omics approach to evaluate the effects of dietary curcumin on colon inflammation in the Mdr1aâ˜'/â˜' mouse model of inflammatory bowel disease. Journal of Nutritional Biochemistry, 2016, 27, 181-192.	4.2	39
39	Composition and enrichment of caprine milk oligosaccharides from New Zealand Saanen goat cheese whey. Journal of Food Composition and Analysis, 2015, 42, 30-37.	3.9	38
40	Live Faecalibacterium prausnitzii Does Not Enhance Epithelial Barrier Integrity in an Apical Anaerobic Co-Culture Model of the Large Intestine. Nutrients, 2017, 9, 1349.	4.1	37
41	Investigating micronutrients and epigenetic mechanisms in relation to inflammatory bowel disease. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 690, 71-80.	1.0	36
42	The Effect of Turmeric (Curcuma longa) Extract on the Functionality of the Solute Carrier Protein 22 A4 (SLC22A4) and Interleukin-10 (IL-10) Variants Associated with Inflammatory Bowel Disease. Nutrients, 2014, 6, 4178-4190.	4.1	36
43	RNAâ€“Stable-Isotope Probing Shows Utilization of Carbon from Inulin by Specific Bacterial Populations in the Rat Large Bowel. Applied and Environmental Microbiology, 2014, 80, 2240-2247.	3.1	36
44	Modulation of colonic inflammation in Mdr1aâ˜'/â˜' mice by green tea polyphenols and their effects on the colon transcriptome and proteome. Journal of Nutritional Biochemistry, 2013, 24, 1678-1690.	4.2	34
45	Association of Plasma Lipids and Polar Metabolites with Low Bone Mineral Density in Singaporean-Chinese Menopausal Women: A Pilot Study. International Journal of Environmental Research and Public Health, 2018, 15, 1045.	2.6	33
46	Tracking gastrointestinal transit of solids in aged rats as pharmacological models of chronic dysmotility. Neurogastroenterology and Motility, 2016, 28, 1241-1251.	3.0	31
47	Lean Body Mass in the Prediction of Bone Mineral Density in Postmenopausal Women. BioResearch Open Access, 2018, 7, 150-158.	2.6	31
48	Inflammatory markers and bone health in postmenopausal women: a cross-sectional overview. Immunity and Ageing, 2019, 16, 15.	4.2	31
49	Influence of the Fruit Juice Carriers on the Ability of Lactobacillus plantarum DSM20205 to Improve in Vitro Intestinal Barrier Integrity and Its Probiotic Properties. Journal of Agricultural and Food Chemistry, 2017, 65, 5632-5638.	5.2	30
50	The Relationship between Nutrient Patterns and Bone Mineral Density in Postmenopausal Women. Nutrients, 2019, 11, 1262.	4.1	30
51	Kiwifruit extracts inhibit cytokine production by lipopolysaccharide-activated macrophages, and intestinal epithelial cells isolated from IL10 gene deficient mice. Cellular Immunology, 2011, 270, 70-79.	3.0	29
52	Bacterial biofilms associated with food particles in the human large bowel. Molecular Nutrition and Food Research, 2011, 55, 969-978.	3.3	29
53	Changes in Bowel Microbiota Induced by Feeding Weanlings Resistant Starch Stimulate Transcriptomic and Physiological Responses. Applied and Environmental Microbiology, 2012, 78, 6656-6664.	3.1	29
54	Dietary arachidonic acidâ€mediated effects on colon inflammation using transcriptome analysis. Molecular Nutrition and Food Research, 2010, 54, S62-74.	3.3	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. Journal of Proteome Research, 2012, 11, 1065-1077.	3.7	28
56	Bifidobacterium pseudolongum in the Ceca of Rats Fed Hi-Maize Starch Has Characteristics of a Keystone Species in Bifidobacterial Blooms. Applied and Environmental Microbiology, 2018, 84, .	3.1	28
57	Protein Intake at Twice the RDA in Older Men Increases Circulatory Concentrations of the Microbiome Metabolite Trimethylamine-N-Oxide (TMAO). Nutrients, 2019, 11, 2207.	4.1	28
58	Seasonal and age effects on energy requirements in domestic shortâ€hair cats (Felis catus) in a temperate environment. Journal of Animal Physiology and Animal Nutrition, 2013, 97, 522-530.	2.2	27
59	Gastric Emptying and Gastrointestinal Transit Compared among Native and Hydrolyzed Whey and Casein Milk Proteins in an Aged Rat Model. Nutrients, 2017, 9, 1351.	4.1	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. Nutrients, 2016, 8, 267.	4.1	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. Nutrients, 2014, 6, 4839-4855.	4.1	25
62	Gastroparesis and lipid metabolism-associated dysbiosis in Wistar-Kyoto rats. American Journal of Physiology - Renal Physiology, 2017, 313, G62-G72.	3.4	25
63	Infant Complementary Feeding of Prebiotics for the Microbiome and Immunity. Nutrients, 2019, 11, 364.	4.1	25
64	Effects of kiwifruit extracts on colonic gene and protein expression levels in IL-10 gene-deficient mice. British Journal of Nutrition, 2012, 108, 113-129.	2.3	24
65	Metabolome and microbiome profiling of a stress-sensitive rat model of gut-brain axis dysfunction. Scientific Reports, 2019, 9, 14026.	3.3	23
66	The interactions between endogenous bacteria, dietary components and the mucus layer of the large bowel. Food and Function, 2012, 3, 690.	4.6	22
67	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.	5.2	22
68	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.	2.9	22
69	An in vitro rat model of colonic motility to determine the effect of Î²-casomorphin-5 on propagating contractions. Food and Function, 2014, 5, 2768-2774.	4.6	21
70	Plasma Biomarkers and Identification of Resilient Metabolic Disruptions in Patients With Venous Thromboembolism Using a Metabolic Systems Approach. Arteriosclerosis, Thrombosis, and Vascular Biology, 2020, 40, 2527-2538.	2.4	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. Nutrients, 2021, 13, 1092.	4.1	21
72	Increasing intake of long-chainn-3 PUFA enhances lipoperoxidation and modulates hepatic gene expression in a dose-dependent manner. British Journal of Nutrition, 2012, 107, 1254-1273.	2.3	20

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73	A Mathematical Model for the Hydrogenotrophic Metabolism of Sulphate-Reducing Bacteria. Frontiers in Microbiology, 2019, 10, 1652.	3.5	20
74	Lipidomics of Brain Tissues in Rats Fed Human Milk from Chinese Mothers or Commercial Infant Formula. Metabolites, 2019, 9, 253.	2.9	20
75	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.	1.5	19
76	Post-Weaning Diet Affects Faecal Microbial Composition but Not Selected Adipose Gene Expression in the Cat (Felis catus). PLoS ONE, 2013, 8, e80992.	2.5	19
77	Nematodes and nutrient partitioning. Australian Journal of Experimental Agriculture, 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 interleukinâ€10 geneâ€deficient mice. Biotechnology Journal, 2010, 5, 1226-1240.	3.5	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. Microbiology (United Kingdom), 2010, 156, 3306-3316.	1.8	17
80	Evaluation of gastrointestinal transit in rats fed dietary fibres differing in their susceptibility to large intestine fermentation. Journal of Functional Foods, 2012, 4, 107-115.	3.4	17
81	Antiâ€proliferative effects of physiological concentrations of enterolactone in models of prostate tumourigenesis. Molecular Nutrition and Food Research, 2013, 57, 212-224.	3.3	17
82	Bowel Microbiota Moderate Host Physiological Responses to Dietary Konjac in Weanling Rats1â€“3. Journal of Nutrition, 2013, 143, 1052-1060.	2.9	17
83	Monoculture parameters successfully predict coculture growth kinetics of Bacteroides thetaiotaomicron and two Bifidobacterium strains. International Journal of Food Microbiology, 2014, 191, 172-181.	4.7	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. Food Research International, 2014, 57, 34-43.	6.2	17
85	Prenatal caprine milk oligosaccharide consumption affects the development of mice offspring. Molecular Nutrition and Food Research, 2016, 60, 2076-2085.	3.3	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. British Journal of Nutrition, 2017, 117, 1212-1221.	2.3	17
87	Influence of Bovine Whey Protein Concentrate and Hydrolysate Preparation Methods on Motility in the Isolated Rat Distal Colon. Nutrients, 2016, 8, 809.	4.1	16
88	Human oral isolate Lactobacillus fermentum AGR1487 induces a pro-inflammatory response in germ-free rat colons. Scientific Reports, 2016, 6, 20318.	3.3	16
89	Pro-inflammatory adjuvant properties of pigment-grade titanium dioxide particles are augmented by a genotype that potentiates interleukin 1Î² processing. Particle and Fibre Toxicology, 2017, 14, 51.	6.2	16
90	Molecular Characterization of the Onset and Progression of Colitis in Inoculated Interleukin-10 Gene-Deficient Mice: A Role for PPAR<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î±</mml:mi></mml:math>. PPAR Research, 2010, 2010, 1-18.	2.4	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. Nutrients, 2015, 7, 3370-3386.	4.1	15
92	In VitroFermentation of caprine milk oligosaccharides by bifidobacteria isolated from breast-fed infants. Gut Microbes, 2015, 6, 352-363.	9.8	15
93	Impaired Ribosome Biogenesis and Skeletal Muscle Growth in a Murine Model of Inflammatory Bowel Disease. Inflammatory Bowel Diseases, 2016, 22, 268-278.	1.9	15
94	Bovine dairy complex lipids improve in vitro measures of small intestinal epithelial barrier integrity. PLoS ONE, 2018, 13, e0190839.	2.5	15
95	The Effects of Unfermented and Fermented Cow and Sheep Milk on the Gut Microbiota. Frontiers in Microbiology, 2019, 10, 458.	3.5	15
96	Five-week dietary exposure to dry diets alters the faecal bacterial populations in the domestic cat (Felis catus). British Journal of Nutrition, 2011, 106, S49-S52.	2.3	14
97	Association of Insulin Resistance with Bone Strength and Bone Turnover in Menopausal Chinese-Singaporean Women without Diabetes. International Journal of Environmental Research and Public Health, 2018, 15, 889.	2.6	14
98	Smart Foods from the pastoral sector - implications for meat and milk producers. Australian Journal of Experimental Agriculture, 2008, 48, 726.	1.0	14
99	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.	2.5	14
100	Anisotropic nutrient transport in threeâ€dimensional single species bacterial biofilms. Biotechnology and Bioengineering, 2012, 109, 1280-1292.	3.3	13
101	Mammary transcriptome analysis of lactating dairy cows following administration of bovine growth hormone. Animal, 2016, 10, 2008-2017.	3.3	13
102	Glycan Utilisation and Function in the Microbiome of Weaning Infants. Microorganisms, 2019, 7, 190.	3.6	13
103	Live Faecalibacterium prausnitzii induces greater TLR2 and TLR2/6 activation than the dead bacterium in an apical anaerobic co-culture system. Cellular Microbiology, 2018, 20, e12805.	2.1	12
104	A Murine Oralâ€Exposure Model for Nanoâ€and Microâ€Particulates: Demonstrating Human Relevance with Foodâ€Grade Titanium Dioxide. Small, 2020, 16, e2000486.	10.0	12
105	Examination of hydrogen cross-feeders using a colonic microbiota model. BMC Bioinformatics, 2021, 22, 3.	2.6	12
106	Concentrations of Fecal Bile Acids in Participants with Functional Gut Disorders and Healthy Controls. Metabolites, 2021, 11, 612.	2.9	12
107	Circulatory and Urinary B-Vitamin Responses to Multivitamin Supplement Ingestion Differ between Older and Younger Adults. Nutrients, 2020, 12, 3529.	4.1	11
108	Effects of short- and long-term glucocorticoid-induced osteoporosis on plasma metabolome and lipidome of ovariectomized sheep. BMC Musculoskeletal Disorders, 2020, 21, 349.	1.9	11

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109	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.	1.3	10
110	Effect of Dietary Complex Lipids on the Biosynthesis of Piglet Brain Gangliosides. Journal of Agricultural and Food Chemistry, 2016, 64, 1245-1255.	5.2	10
111	Short communication: Early-lactation, but not mid-lactation, bovine lactoferrin preparation increases epithelial barrier integrity of Caco-2 cell layers. Journal of Dairy Science, 2017, 100, 886-891.	3.4	10
112	Short communication: Processed bovine colostrum milk protein concentrate increases epithelial barrier integrity of Caco-2 cell layers. Journal of Dairy Science, 2019, 102, 10772-10778.	3.4	10
113	Dietary Patterns, Body Composition, and Bone Health in New Zealand Postmenopausal Women. Frontiers in Nutrition, 2020, 7, 563689.	3.7	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. Journal of Nutritional Science, 2020, 9, e25.	1.9	10
115	Folate and Vitamin Bâ€12 Status Is Associated With Bone Mineral Density and Hip Strength of Postmenopausal <scp>Chineseâ€Singaporean</scp> Women. JBMR Plus, 2020, 4, e10399.	2.7	10
116	Comprehensive Profiling of the Circulatory miRNAome Response to a High Protein Diet in Elderly Men: A Potential Role in Inflammatory Response Modulation. Molecular Nutrition and Food Research, 2019, 63, 1800811.	3.3	9
117	Differences in Compositions of Gut Bacterial Populations and Bacteriophages in 5â€“11 Year-Olds Born Preterm Compared to Full Term. Frontiers in Cellular and Infection Microbiology, 2020, 10, 276.	3.9	9
118	Post-weaning effects of milk and milk components on the intestinal mucosa in inflammation. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2010, 690, 64-70.	1.0	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. PLoS ONE, 2013, 8, e63251.	2.5	8
120	Determination of potential metabolic pathways of human intestinal bacteria by modeling growth kinetics from cross-feeding dynamics. Food Research International, 2016, 88, 207-216.	6.2	8
121	Promotility Action of the Probiotic Bifidobacterium lactis HN019 Extract Compared with Prucalopride in Isolated Rat Large Intestine. Frontiers in Neuroscience, 2017, 11, 20.	2.8	8
122	Glucocorticoids affect bone mineral density and bone remodelling in OVX sheep: A pilot study. Bone Reports, 2018, 9, 173-180.	0.4	8
123	In vitro Fermentation of Digested Milk Fat Globule Membrane From Ruminant Milk Modulates Piglet Ileal and Caecal Microbiota. Frontiers in Nutrition, 2020, 7, 91.	3.7	8
124	Heat-Treatments Affect Protease Activities and Peptide Profiles of Ruminants' Milk. Frontiers in Nutrition, 2021, 8, 626475.	3.7	8
125	Porcine colonoids and enteroids keep the memory of their origin during regeneration. American Journal of Physiology - Cell Physiology, 2021, 320, C794-C805.	4.6	8
126	Impact of a High Protein Intake on the Plasma Metabolome in Elderly Males: 10 Week Randomized Dietary Intervention. Frontiers in Nutrition, 2019, 6, 180.	3.7	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. European Journal of Nutrition, 2020, 59, 2131-2143.	3.9	7
128	Cohort Profile: The Christchurch IBS cOhort to investigate Mechanisms FOr gut Relief and improved Transit (COMFORT). Inflammatory Intestinal Diseases, 2020, 5, 132-143.	1.9	7
129	Mathematical modelling supports the existence of a threshold hydrogen concentration and media-dependent yields in the growth of a reductive acetogen. Bioprocess and Biosystems Engineering, 2020, 43, 885-894.	3.4	7
130	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.	2.7	6
131	Digestive-resistant carbohydrates affect lipid metabolism in rats. Metabolomics, 2016, 12, 1.	3.0	6
132	The fate of ¹³C-labelled and non-labelled inulin predisposed to large bowel fermentation in rats. Food and Function, 2016, 7, 1825-1832.	4.6	6
133	Understanding the Effects of Lactose Hydrolysis Modeling on the Main Oligosaccharides in Goat Milk Whey Permeate. Molecules, 2019, 24, 3294.	3.8	6
134	Effects of microwave processing conditions on microbial safety and antimicrobial proteins in bovine milk. Journal of Food Processing and Preservation, 2020, 44, e14348.	2.0	6
135	Whole-body valine and cysteine kinetics and tissue fractional protein synthesis rates in lambs fed Sulla (<I>Hedysarum coronarium</I>) and infected or not infected with adult <I>Trichostrongylus colubriformis</I>. British Journal of Nutrition, 2006, 96, 28-38.	2.3	6
136	The role of holistic nutritional properties of diets in the assessment of food system and dietary sustainability. Critical Reviews in Food Science and Nutrition, 2023, 63, 5117-5137.	10.3	6
137	Isotopic labeling of milk disialogangliosides (GD3). Chemistry and Physics of Lipids, 2016, 200, 104-112.	3.2	5
138	Regulation of Amino Acid Transporters and Sensors in Response to a High protein Diet: A Randomized Controlled Trial in Elderly Men. Journal of Nutrition, Health and Aging, 2019, 23, 354-363.	3.3	5
139	Adaptation of the infant gut microbiome during the complementary feeding transition. PLoS ONE, 2022, 17, e0270213.	2.5	5
140	Lactobacillus fermentum AGR1487 cell surface structures and supernatant increase paracellular permeability through different pathways. MicrobiologyOpen, 2015, 4, 541-552.	3.0	4
141	Inoculation with enterococci does not affect colon inflammation in the multi-drug resistance 1a-deficient mouse model of IBD. BMC Gastroenterology, 2016, 16, 31.	2.0	4
142	Competition for Hydrogen Prevents Coexistence of Human Gastrointestinal Hydrogenotrophs in Continuous Culture. Frontiers in Microbiology, 2020, 11, 1073.	3.5	4
143	Modulation of Bone and Joint Biomarkers, Gut Microbiota, and Inflammation Status by Synbiotic Supplementation and Weight-Bearing Exercise: Human Study Protocol for a Randomized Controlled Trial. JMIR Research Protocols, 2021, 10, e30131.	1.0	4
144	The Effect of Elevated Protein Intake on DNA Damage in Older People: Comparative Secondary Analysis of Two Randomized Controlled Trials. Nutrients, 2021, 13, 3479.	4.1	4

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145	Moderate levels of dietary sheep milk powder reduce experimentally induced colonic inflammation in rats. Animal Production Science, 2010, 50, 714.	1.3	3
146	Associations between Self-Reported Physical Activity, Heel Ultrasound Parameters and Bone Health Measures in Post-Menopausal Women. International Journal of Environmental Research and Public Health, 2019, 16, 3177.	2.6	3
147	Inflexibility of the plasma miRNA response following a high-carbohydrate meal in overweight insulin-resistant women. Genes and Nutrition, 2020, 15, 2.	2.5	3
148	Analysis of Human Faecal Host Proteins: Responsiveness to 10-Week Dietary Intervention Modifying Dietary Protein Intake in Elderly Males. Frontiers in Nutrition, 2020, 7, 595905.	3.7	3
149	Alteration in propagating colonic contractions by dairy proteins in isolated rat large intestine. Journal of Dairy Science, 2019, 102, 9598-9604.	3.4	3
150	Intestinal, hepatic, splanchnic and hindquarter amino acid and metabolite partitioning during an establishedTrichostrongylus colubriformisinfection in the small intestine of lambs fed fresh Sulla (Hedysarum coronarium). British Journal of Nutrition, 2007, 98, 1132-1142.	2.3	2
151	A case study: Using microbial abundance data to mathematically calculate organic acid production by human faecal microbiota within an in vitro batch fermentation. Bioactive Carbohydrates and Dietary Fibre, 2017, 9, 28-38.	2.7	2
152	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.	1.3	2
153	Complete Genome Sequence of Lactobacillus fermentum Strain AGR1485, a Human Oral Isolate. Microbiology Resource Announcements, 2020, 9, .	0.6	2
154	Whole tissue homogenization preferable to mucosal scraping in determining the temporal profile of segmented filamentous bacteria in the ileum of weanling rats. Access Microbiology, 2021, 3, 000218.	0.5	2
155	Responsiveness of one-carbon metabolites to a high-protein diet in older men: Results from a 10-wk randomized controlled trial. Nutrition, 2021, 89, 111231.	2.4	2
156	Effects of Prenatal Consumption of Caprine Milk Oligosaccharides on Mice Mono-associated with Bifidobacterium Bifidum (AGR2166). Open Microbiology Journal, 2017, 11, 105-111.	0.7	2
157	The Role of Segmented Filamentous Bacteria in Immune Barrier Maturation of the Small Intestine at Weaning. Frontiers in Nutrition, 2021, 8, 759137.	3.7	2
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