

# Nicole C Roy

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

172  
papers

4,346  
citations

33  
h-index

59  
g-index

191  
ext. papers

5,389  
ext. citations

4.5  
avg, IF

5.79  
L-index

#	Paper	IF	Citations
172	The Role of Segmented Filamentous Bacteria in Immune Barrier Maturation of the Small Intestine at Weaning. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 759137	6.2	0
171	Whole tissue homogenization preferable to mucosal scraping in determining the temporal profile of segmented filamentous bacteria in the ileum of weanling rats. <i>Access Microbiology</i> , <b>2021</b> , 3, 000218	1	1
170	Heat-Treatments Affect Protease Activities and Peptide Profiles of RuminantsTMilk. <i>Frontiers in Nutrition</i> , <b>2021</b> , 8, 626475	6.2	2
169	The Microbiome-Gut-Brain Axis and Resilience to Developing Anxiety or Depression under Stress. <i>Microorganisms</i> , <b>2021</b> , 9,	4.9	15
168	A protocol combining breath testing and fermentations to study the human gut microbiome. <i>STAR Protocols</i> , <b>2021</b> , 2, 100227	1.4	
167	Porcine colonoids and enteroids keep the memory of their origin during regeneration. <i>American Journal of Physiology - Cell Physiology</i> , <b>2021</b> , 320, C794-C805	5.4	1
166	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. <i>JMIR Research Protocols</i> , <b>2021</b> , 10, e30131	2	1
165	The Gut Microbiome Is Altered in Postmenopausal Women With Osteoporosis and Osteopenia. <i>JBMR Plus</i> , <b>2021</b> , 5, e10452	3.9	11
164	Examination of hydrogen cross-feeders using a colonic microbiota model. <i>BMC Bioinformatics</i> , <b>2021</b> , 22, 3	3.6	3
163	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> , <b>2021</b> , 13,	6.7	5
162	Concentrations of Fecal Bile Acids in Participants with Functional Gut Disorders and Healthy Controls. <i>Metabolites</i> , <b>2021</b> , 11,	5.6	3
161	Responsiveness of one-carbon metabolites to a high-protein diet in older men: Results from a 10-wk randomized controlled trial. <i>Nutrition</i> , <b>2021</b> , 89, 111231	4.8	1
160	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> , <b>2021</b> , 1-21	11.5	1
159	A Murine Oral-Exposure Model for Nano- and Micro-Particulates: Demonstrating Human Relevance with Food-Grade Titanium Dioxide. <i>Small</i> , <b>2020</b> , 16, e2000486	11	7
158	Differences in Compositions of Gut Bacterial Populations and Bacteriophages in 5-11 Year-Olds Born Preterm Compared to Full Term. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 276	5.9	6
157	Effects of short- and long-term glucocorticoid-induced osteoporosis on plasma metabolome and lipidome of ovariectomized sheep. <i>BMC Musculoskeletal Disorders</i> , <b>2020</b> , 21, 349	2.8	3
156	Competition for Hydrogen Prevents Coexistence of Human Gastrointestinal Hydrogenotrophs in Continuous Culture. <i>Frontiers in Microbiology</i> , <b>2020</b> , 11, 1073	5.7	2

155	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> , <b>2020</b> , 43, 885-894	3.7	4
154	The Role of the Gut Microbiota in Dietary Interventions for Depression and Anxiety. <i>Advances in Nutrition</i> , <b>2020</b> , 11, 890-907	10	38
153	Inflexibility of the plasma miRNA response following a high-carbohydrate meal in overweight insulin-resistant women. <i>Genes and Nutrition</i> , <b>2020</b> , 15, 2	4.3	3
152	Fermentation of Digested Milk Fat Globule Membrane From Ruminant Milk Modulates Piglet Ileal and Caecal Microbiota. <i>Frontiers in Nutrition</i> , <b>2020</b> , 7, 91	6.2	3
151	The effects of carbohydrate structure on the composition and functionality of the human gut microbiota. <i>Trends in Food Science and Technology</i> , <b>2020</b> , 97, 233-248	15.3	29
150	Omics analysis reveals variations among commercial sources of bovine milk fat globule membrane. <i>Journal of Dairy Science</i> , <b>2020</b> , 103, 3002-3016	4	21
149	Increasing Evidence That Irritable Bowel Syndrome and Functional Gastrointestinal Disorders Have a Microbial Pathogenesis. <i>Frontiers in Cellular and Infection Microbiology</i> , <b>2020</b> , 10, 468	5.9	26
148	Gut Microbial Metabolites and Biochemical Pathways Involved in Irritable Bowel Syndrome: Effects of Diet and Nutrition on the Microbiome. <i>Journal of Nutrition</i> , <b>2020</b> , 150, 1012-1021	4.1	16
147	Effects of microwave processing conditions on microbial safety and antimicrobial proteins in bovine milk. <i>Journal of Food Processing and Preservation</i> , <b>2020</b> , 44, e14348	2.1	4
146	Connecting Infant Complementary Feeding Patterns with Microbiome Development. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 1034-1034	0.4	78
145	Association of Habitual Dietary Fiber Intake and Fecal Microbiome Gene Abundance with Gastrointestinal Symptoms in an Irritable Bowel Syndrome Cohort. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 1581-1581	0.4	78
144	Cohort Profile: The Christchurch IBS cOhort to investigate Mechanisms FOre gut Relief and improved Transit (COMFORT). <i>Inflammatory Intestinal Diseases</i> , <b>2020</b> , 5, 132-143	2.5	2
143	Circulatory and Urinary B-Vitamin Responses to Multivitamin Supplement Ingestion Differ between Older and Younger Adults. <i>Nutrients</i> , <b>2020</b> , 12,	6.7	4
142	Dietary Patterns, Body Composition, and Bone Health in New Zealand Postmenopausal Women. <i>Frontiers in Nutrition</i> , <b>2020</b> , 7, 563689	6.2	3
141	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> , <b>2020</b> , 9, e25	2.7	8
140	Folate and Vitamin B-12 Status Is Associated With Bone Mineral Density and Hip Strength of Postmenopausal Chinese-Singaporean Women. <i>JBMR Plus</i> , <b>2020</b> , 4, e10399	3.9	2
139	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> , <b>2020</b> , 40, 2527-2538	9.4	4
138	Gut-Brain Axis in the Early Postnatal Years of Life: A Developmental Perspective. <i>Frontiers in Integrative Neuroscience</i> , <b>2020</b> , 14, 44	3.2	18

137	Infant Feeding Frequency Impacts Human Milk Composition: A Metabolomic Analysis. <i>Current Developments in Nutrition</i> , <b>2020</b> , 4, 986-986	0.4	78
136	Circulatory miRNA biomarkers of metabolic syndrome. <i>Acta Diabetologica</i> , <b>2020</b> , 57, 203-214	3.9	20
135	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> , <b>2020</b> , 59, 2131-2143	5.2	5
134	Analysis of Human Faecal Host Proteins: Responsiveness to 10-Week Dietary Intervention Modifying Dietary Protein Intake in Elderly Males. <i>Frontiers in Nutrition</i> , <b>2020</b> , 7, 595905	6.2	1
133	Lipidomics of Brain Tissues in Rats Fed Human Milk from Chinese Mothers or Commercial Infant Formula. <i>Metabolites</i> , <b>2019</b> , 9,	5.6	5
132	Associations between Self-Reported Physical Activity, Heel Ultrasound Parameters and Bone Health Measures in Post-Menopausal Women. <i>International Journal of Environmental Research and Public Health</i> , <b>2019</b> , 16,	4.6	2
131	Protein Intake at Twice the RDA in Older Men Increases Circulatory Concentrations of the Microbiome Metabolite Trimethylamine-N-Oxide (TMAO). <i>Nutrients</i> , <b>2019</b> , 11,	6.7	16
130	Understanding the Effects of Lactose Hydrolysis Modeling on the Main Oligosaccharides in Goat Milk Whey Permeate. <i>Molecules</i> , <b>2019</b> , 24,	4.8	5
129	Metabolome and microbiome profiling of a stress-sensitive rat model of gut-brain axis dysfunction. <i>Scientific Reports</i> , <b>2019</b> , 9, 14026	4.9	10
128	The Classification and Evolution of Bacterial Cross-Feeding. <i>Frontiers in Ecology and Evolution</i> , <b>2019</b> , 7,	3.7	47
127	The Microbiome in Functional Gastrointestinal Disorders Is Characterized by Bacteria and Genes Involved in Carbohydrate and Bile Acid Metabolism (OR23-01-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
126	Lipid and Metabolite Profiles in Human Plasma and Associations with the Microbiome and Functional Gastrointestinal Disorders (P20-033-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
125	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). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	78
124	The Relationship between Nutrient Patterns and Bone Mineral Density in Postmenopausal Women. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	19
123	Effect of a Tailored Dietary Intervention with High or Standard Protein Intake on B-Vitamin and One Carbon Metabolism Status in Healthy Older Males: A 10 Week Randomised Controlled Trial. <i>Proceedings (mdpi)</i> , <b>2019</b> , 8, 19	0.3	
122	Cytokine Production, Ferritin Levels and Bone Mineral Density in Healthy Postmenopausal Women. <i>Proceedings (mdpi)</i> , <b>2019</b> , 8, 28	0.3	
121	Metabolic Disease Risk Alters Circulating Peripheral Blood Mononuclear Cell microRNAs in Response to A High Glycemic Meal. <i>Proceedings (mdpi)</i> , <b>2019</b> , 8, 30	0.3	
120	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> , <b>2019</b> , 63, e1800811	5.9	6

119	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> , <b>2019</b> , 23, 354-363	5.2	4
118	The Effects of Unfermented and Fermented Cow and Sheep Milk on the Gut Microbiota. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 458	5.7	9
117	A Mathematical Model to Facilitate Study of Hydrogen Cross-feeding by the Human Colonic Microbiota (P13-036-19). <i>Current Developments in Nutrition</i> , <b>2019</b> , 3,	0.4	1
116	Inflammatory markers and bone health in postmenopausal women: a cross-sectional overview. <i>Immunity and Ageing</i> , <b>2019</b> , 16, 15	9.7	14
115	Glycan Utilisation and Function in the Microbiome of Weaning Infants. <i>Microorganisms</i> , <b>2019</b> , 7,	4.9	9
114	A Mathematical Model for the Hydrogenotrophic Metabolism of Sulphate-Reducing Bacteria. <i>Frontiers in Microbiology</i> , <b>2019</b> , 10, 1652	5.7	10
113	Alteration in propagating colonic contractions by dairy proteins in isolated rat large intestine. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 9598-9604	4	1
112	Infant Complementary Feeding of Prebiotics for the Microbiome and Immunity. <i>Nutrients</i> , <b>2019</b> , 11,	6.7	18
111	Functional Associations between Gut Microbiome and Bone Health Status in Post-Menopausal Women: A Cross-Sectional Study. <i>Proceedings (mdpi)</i> , <b>2019</b> , 37, 22	0.3	
110	Impact of a High Protein Intake on the Plasma Metabolome in Elderly Males: 10 Week Randomized Dietary Intervention. <i>Frontiers in Nutrition</i> , <b>2019</b> , 6, 180	6.2	5
109	Short communication: Processed bovine colostrum milk protein concentrate increases epithelial barrier integrity of Caco-2 cell layers. <i>Journal of Dairy Science</i> , <b>2019</b> , 102, 10772-10778	4	5
108	Hydrogen cross-feeders of the human gastrointestinal tract. <i>Gut Microbes</i> , <b>2019</b> , 10, 270-288	8.8	49
107	Metabolism of Caprine Milk Carbohydrates by Probiotic Bacteria and Caco-2:HT29?MTX Epithelial Co-Cultures and Their Impact on Intestinal Barrier Integrity. <i>Nutrients</i> , <b>2018</b> , 10,	6.7	18
106	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> , <b>2018</b> , 15,	4.6	17
105	Bovine dairy complex lipids improve in vitro measures of small intestinal epithelial barrier integrity. <i>PLoS ONE</i> , <b>2018</b> , 13, e0190839	3.7	10
104	Exploring the link between Irritable Bowel Syndrome and the microbiome. <i>FASEB Journal</i> , <b>2018</b> , 32, 765.4.9		
103	Identifying biomarkers relevant to functional gastrointestinal disorders using a systems biology approach. <i>FASEB Journal</i> , <b>2018</b> , 32, 759.7	0.9	1
102	Live Faecalibacterium prausnitzii induces greater TLR2 and TLR2/6 activation than the dead bacterium in an apical anaerobic co-culture system. <i>Cellular Microbiology</i> , <b>2018</b> , 20, e12805	3.9	10

101	Glucocorticoids affect bone mineral density and bone remodelling in OVX sheep: A pilot study. <i>Bone Reports</i> , <b>2018</b> , 9, 173-180	2.6	3
100	Lean Body Mass in the Prediction of Bone Mineral Density in Postmenopausal Women. <i>BioResearch Open Access</i> , <b>2018</b> , 7, 150-158	2.4	21
99	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> , <b>2018</b> , 15,	4.6	6
98	Bifidobacterium pseudolongum in the Ceca of Rats Fed Hi-Maize Starch Has Characteristics of a Keystone Species in Bifidobacterial Blooms. <i>Applied and Environmental Microbiology</i> , <b>2018</b> , 84,	4.8	18
97	Gastroparesis and lipid metabolism-associated dysbiosis in Wistar-Kyoto rats. <i>American Journal of Physiology - Renal Physiology</i> , <b>2017</b> , 313, G62-G72	5.1	19
96	Protein-tannic acid multilayer films: A multifunctional material for microencapsulation of food-derived bioactives. <i>Journal of Colloid and Interface Science</i> , <b>2017</b> , 505, 332-340	9.3	36
95	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> , <b>2017</b> , 100, 886-891	4	8
94	A case study: Using microbial abundance data to mathematically calculate organic acid production by human faecal microbiota within an in vitro batch fermentation. <i>Bioactive Carbohydrates and Dietary Fibre</i> , <b>2017</b> , 9, 28-38	3.4	2
93	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> , <b>2017</b> , 106, 1375-1383	7	81
92	Pro-inflammatory adjuvant properties of pigment-grade titanium dioxide particles are augmented by a genotype that potentiates interleukin 1 $\beta$ processing. <i>Particle and Fibre Toxicology</i> , <b>2017</b> , 14, 51	8.4	12
91	Influence of the Fruit Juice Carriers on the Ability of Lactobacillus plantarum DSM20205 to Improve in Vitro Intestinal Barrier Integrity and Its Probiotic Properties. <i>Journal of Agricultural and Food Chemistry</i> , <b>2017</b> , 65, 5632-5638	5.7	22
90	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> , <b>2017</b> , 117, 1212-1221	3.6	15
89	Live Faecalibacterium prausnitzii Does Not Enhance Epithelial Barrier Integrity in an Apical Anaerobic Co-Culture Model of the Large Intestine. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	17
88	Gastric Emptying and Gastrointestinal Transit Compared among Native and Hydrolyzed Whey and Casein Milk Proteins in an Aged Rat Model. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	23
87	Promotility Action of the Probiotic HN019 Extract Compared with Prucalopride in Isolated Rat Large Intestine. <i>Frontiers in Neuroscience</i> , <b>2017</b> , 11, 20	5.1	6
86	Effects of Prenatal Consumption of Caprine Milk Oligosaccharides on Mice Mono-associated with (AGR2166). <i>Open Microbiology Journal</i> , <b>2017</b> , 11, 105-111	0.8	2
85	Evaluation of protease resistance and toxicity of amyloid-like food fibrils from whey, soy, kidney bean, and egg white. <i>Food Chemistry</i> , <b>2016</b> , 192, 491-8	8.5	52
84	Prenatal caprine milk oligosaccharide consumption affects the development of mice offspring. <i>Molecular Nutrition and Food Research</i> , <b>2016</b> , 60, 2076-85	5.9	16

83	Isotopic labeling of milk disialogangliosides (GD3). <i>Chemistry and Physics of Lipids</i> , <b>2016</b> , 200, 104-112	3.7	4
82	Human oral isolate <i>Lactobacillus fermentum</i> AGR1487 induces a pro-inflammatory response in germ-free rat colons. <i>Scientific Reports</i> , <b>2016</b> , 6, 20318	4.9	11
81	Inoculation with enterococci does not affect colon inflammation in the multi-drug resistance 1a-deficient mouse model of IBD. <i>BMC Gastroenterology</i> , <b>2016</b> , 16, 31	3	3
80	Effect of Dietary Complex Lipids on the Biosynthesis of Piglet Brain Gangliosides. <i>Journal of Agricultural and Food Chemistry</i> , <b>2016</b> , 64, 1245-55	5.7	10
79	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> , <b>2016</b> , 27, 181-92	6.3	28
78	The Fate of (13)C-labelled and non-labelled inulin predisposed to large bowel fermentation in rats. <i>Food and Function</i> , <b>2016</b> , 7, 1825-32	6.1	4
77	Human Breast Milk and Infant Formulas Differentially Modify the Intestinal Microbiota in Human Infants and Host Physiology in Rats. <i>Journal of Nutrition</i> , <b>2016</b> , 146, 191-9	4.1	32
76	Influence of Bovine Whey Protein Concentrate and Hydrolysate Preparation Methods on Motility in the Isolated Rat Distal Colon. <i>Nutrients</i> , <b>2016</b> , 8,	6.7	11
75	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> , <b>2016</b> , 8,	6.7	19
74	Impaired Ribosome Biogenesis and Skeletal Muscle Growth in a Murine Model of Inflammatory Bowel Disease. <i>Inflammatory Bowel Diseases</i> , <b>2016</b> , 22, 268-78	4.5	10
73	Mammary transcriptome analysis of lactating dairy cows following administration of bovine growth hormone. <i>Animal</i> , <b>2016</b> , 10, 2008-2017	3.1	12
72	Determination of potential metabolic pathways of human intestinal bacteria by modeling growth kinetics from cross-feeding dynamics. <i>Food Research International</i> , <b>2016</b> , 88, 207-216	7	7
71	Digestive-resistant carbohydrates affect lipid metabolism in rats. <i>Metabolomics</i> , <b>2016</b> , 12, 1	4.7	6
70	Tracking gastrointestinal transit of solids in aged rats as pharmacological models of chronic dysmotility. <i>Neurogastroenterology and Motility</i> , <b>2016</b> , 28, 1241-51	4	21
69	Composition and enrichment of caprine milk oligosaccharides from New Zealand Saanen goat cheese whey. <i>Journal of Food Composition and Analysis</i> , <b>2015</b> , 42, 30-37	4.1	28
68	In Vitro Fermentation of caprine milk oligosaccharides by bifidobacteria isolated from breast-fed infants. <i>Gut Microbes</i> , <b>2015</b> , 6, 352-63	8.8	13
67	<i>Lactobacillus fermentum</i> AGR1487 cell surface structures and supernatant increase paracellular permeability through different pathways. <i>MicrobiologyOpen</i> , <b>2015</b> , 4, 541-52	3.4	2
66	Live <i>Faecalibacterium prausnitzii</i> in an apical anaerobic model of the intestinal epithelial barrier. <i>Cellular Microbiology</i> , <b>2015</b> , 17, 226-40	3.9	49

65	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> , <b>2015</b> , 7, 1798-816	6.7	35
64	Low folate and selenium in the mouse maternal diet alters liver gene expression patterns in the offspring after weaning. <i>Nutrients</i> , <b>2015</b> , 7, 3370-86	6.7	12
63	Modelling the effect of undigested dietary carbohydrate on the health and function of the large bowel. <i>Bioactive Carbohydrates and Dietary Fibre</i> , <b>2015</b> , 5, 86-98	3.4	
62	Dietary A1 ß-casein affects gastrointestinal transit time, dipeptidyl peptidase-4 activity, and inflammatory status relative to A2 ß-casein in Wistar rats. <i>International Journal of Food Sciences and Nutrition</i> , <b>2014</b> , 65, 720-7	3.7	57
61	Monoculture parameters successfully predict coculture growth kinetics of <i>Bacteroides</i> thetaiotaomicron and two <i>Bifidobacterium</i> strains. <i>International Journal of Food Microbiology</i> , <b>2014</b> , 191, 172-81	5.8	11
60	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> , <b>2014</b> , 57, 34-43	3.7	15
59	Understanding how commensal obligate anaerobic bacteria regulate immune functions in the large intestine. <i>Nutrients</i> , <b>2014</b> , 7, 45-73	6.7	46
58	Metabolomics and Proteomics, and What to Do with All These TONS of Insights from Nutrigenomic Investigations in New Zealand. <i>Journal of Nutrigenetics and Nutrigenomics</i> , <b>2014</b> , 7, 274-82		7
57	Selenium-enriched foods are more effective at increasing glutathione peroxidase (GPx) activity compared with selenomethionine: a meta-analysis. <i>Nutrients</i> , <b>2014</b> , 6, 4002-31	6.7	46
56	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> , <b>2014</b> , 6, 4178-90	6.7	31
55	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> , <b>2014</b> , 6, 4839-55	6.7	19
54	An in vitro rat model of colonic motility to determine the effect of ß-casomorphin-5 on propagating contractions. <i>Food and Function</i> , <b>2014</b> , 5, 2768-74	6.1	19
53	RNA-stable-isotope probing shows utilization of carbon from inulin by specific bacterial populations in the rat large bowel. <i>Applied and Environmental Microbiology</i> , <b>2014</b> , 80, 2240-7	4.8	33
52	Seasonal and age effects on energy requirements in domestic short-hair cats ( <i>Felis catus</i> ) in a temperate environment. <i>Journal of Animal Physiology and Animal Nutrition</i> , <b>2013</b> , 97, 522-30	2.6	20
51	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> , <b>2013</b> , 6, 7	3.7	16
50	Anti-proliferative effects of physiological concentrations of enterolactone in models of prostate tumourigenesis. <i>Molecular Nutrition and Food Research</i> , <b>2013</b> , 57, 212-24	5.9	15
49	Modulation of colonic inflammation in <i>Mdr1a</i> (-/-) mice by green tea polyphenols and their effects on the colon transcriptome and proteome. <i>Journal of Nutritional Biochemistry</i> , <b>2013</b> , 24, 1678-90	6.3	29
48	Impact of dietary dairy polar lipids on lipid metabolism of mice fed a high-fat diet. <i>Journal of Agricultural and Food Chemistry</i> , <b>2013</b> , 61, 2729-38	5.7	18



47	The role of cell surface architecture of lactobacilli in host-microbe interactions in the gastrointestinal tract. <i>Mediators of Inflammation</i> , <b>2013</b> , 2013, 237921	4.3	142
46	Bowel microbiota moderate host physiological responses to dietary konjac in weanling rats. <i>Journal of Nutrition</i> , <b>2013</b> , 143, 1052-60	4.1	14
45	Dietary format alters fecal bacterial populations in the domestic cat ( <i>Felis catus</i> ). <i>MicrobiologyOpen</i> , <b>2013</b> , 2, 173-81	3.4	45
44	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> , <b>2013</b> , 8, e63251	3.7	8
43	Post-weaning diet affects faecal microbial composition but not selected adipose gene expression in the cat ( <i>Felis catus</i> ). <i>PLoS ONE</i> , <b>2013</b> , 8, e80992	3.7	13
42	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> , <b>2013</b> , 8, e78774	3.7	14
41	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> , <b>2012</b> , 28, 324-30	4.8	69
40	Can nutritional modulation of maternal intestinal microbiota influence the development of the infant gastrointestinal tract?. <i>Journal of Nutrition</i> , <b>2012</b> , 142, 1921-8	4.1	84
39	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> , <b>2012</b> , 11, 1065-77	5.6	25
38	Evaluation of gastrointestinal transit in rats fed dietary fibres differing in their susceptibility to large intestine fermentation. <i>Journal of Functional Foods</i> , <b>2012</b> , 4, 107-115	5.1	17
37	The interactions between endogenous bacteria, dietary components and the mucus layer of the large bowel. <i>Food and Function</i> , <b>2012</b> , 3, 690-9	6.1	21
36	Anisotropic nutrient transport in three-dimensional single species bacterial biofilms. <i>Biotechnology and Bioengineering</i> , <b>2012</b> , 109, 1280-92	4.9	9
35	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> , <b>2012</b> , 47, 968-976	3.8	5
34	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> , <b>2012</b> , 107, 1254-73	3.6	18
33	Effects of kiwifruit extracts on colonic gene and protein expression levels in IL-10 gene-deficient mice. <i>British Journal of Nutrition</i> , <b>2012</b> , 108, 113-29	3.6	17
32	Changes in bowel microbiota induced by feeding weanlings resistant starch stimulate transcriptomic and physiological responses. <i>Applied and Environmental Microbiology</i> , <b>2012</b> , 78, 6656-64	4.8	24
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26	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> , <b>2011</b> , 106 Suppl 1, S49-52	3.6	10
25	A comparison of analog and Next-Generation transcriptomic tools for mammalian studies. <i>Briefings in Functional Genomics</i> , <b>2011</b> , 10, 135-50	4.9	48
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21	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> , <b>2010</b> , 9, 1965-75	5.6	58
20	Moderate levels of dietary sheep milk powder reduce experimentally induced colonic inflammation in rats. <i>Animal Production Science</i> , <b>2010</b> , 50, 714	1.4	2
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16	<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> , <b>2010</b> , 10, 316	4.5	246
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14	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> , <b>2010</b> , 11, 39	3.7	46
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1	Growth, Feed Digestibility and Carcass Characteristics of Male Dairy Calves Infused with Growth Hormone-releasing Factor and/or Actively Immunized against Somatostatin. <i>Acta Agriculturae Scandinavica - Section A: Animal Science</i> , <b>1999</b> , 49, 12-20	0.6	