Kieran Tuohy

List of Publications by Citations

159 papers	16,145 citations	54 h-index	126 g-index
182 ext. papers	19,424 ext. citations	5 avg, IF	6.44 L-index

#	Paper	IF	Citations
159	Metabolic endotoxemia initiates obesity and insulin resistance. *Diabetes*, **2007**, 56, 1761-72	0.9	3888
158	Selective increases of bifidobacteria in gut microflora improve high-fat-diet-induced diabetes in mice through a mechanism associated with endotoxaemia. *Diabetologia*, **2007**, 50, 2374-83	10.3	1248
157	The gut microbiota and host health: a new clinical frontier. *Gut*, **2016**, 65, 330-9	19.2	1182
156	Gut microbiota functions: metabolism of nutrients and other food components. *European Journal of Nutrition*, **2018**, 57, 1-24	5.2	857
155	Low-grade inflammation, diet composition and health: current research evidence and its translation. *British Journal of Nutrition*, **2015**, 114, 999-1012	3.6	407
154	Whole-grain wheat breakfast cereal has a prebiotic effect on the human gut microbiota: a double-blind, placebo-controlled, crossover study. *British Journal of Nutrition*, **2008**, 99, 110-20	3.6	316
153	Dietary prebiotics: current status and new definition. *Food Science and Technology Bulletin*, **2010**, 7, 1-19		305
152	Evolution of gut microbiota composition from birth to 24 weeks in the INFANTMET Cohort. *Microbiome*, **2017**, 5, 4	16.6	266
151	The type and quantity of dietary fat and carbohydrate alter faecal microbiome and short-chain fatty acid excretion in a metabolic syndrome 'at-risk' population. *International Journal of Obesity*, **2013**, 37, 216-23	5.5	264
150	Using probiotics and prebiotics to improve gut health. *Drug Discovery Today*, **2003**, 8, 692-700	8.8	258
149	The prebiotic effects of biscuits containing partially hydrolysed guar gum and fructo-oligosaccharides--a human volunteer study. *British Journal of Nutrition*, **2001**, 86, 341-8	3.6	245
148	Modulation of the human gut microflora towards improved health using prebiotics--assessment of efficacy. *Current Pharmaceutical Design*, **2005**, 11, 75-90	3.3	228
147	FAO Technical meeting on prebiotics. *Journal of Clinical Gastroenterology*, **2008**, 42 Suppl 3 Pt 2, S156-9	3	225
146	Prebiotic effects of inulin and oligofructose. *British Journal of Nutrition*, **2002**, 87, S193-S197	3.6	214
145	A Diet Low in FODMAPs Reduces Symptoms in Patients With Irritable Bowel Syndrome and A Probiotic Restores Bifidobacterium Species: A Randomized Controlled Trial. *Gastroenterology*, **2017**, 153, 936-947	13.3	208
144	Up-regulating the human intestinal microbiome using whole plant foods, polyphenols, and/or fiber. *Journal of Agricultural and Food Chemistry*, **2012**, 60, 8776-82	5.7	202
143	Top-down systems biology modeling of host metabotype-microbiome associations in obese rodents. *Journal of Proteome Research*, **2009**, 8, 2361-75	5.6	197

142	Towards microbial fermentation metabolites as markers for health benefits of prebiotics. *Nutrition Research Reviews*, **2015**, 28, 42-66	7	173
141	In vitro fermentation and prebiotic potential of novel low molecular weight polysaccharides derived from agar and alginate seaweeds. *Anaerobe*, **2012**, 18, 1-6	2.8	161
140	Obesity and the gut microbiota: does up-regulating colonic fermentation protect against obesity and metabolic disease?. *Genes and Nutrition*, **2011**, 6, 241-60	4.3	158
139	In vitro determination of prebiotic properties of oligosaccharides derived from an orange juice manufacturing by-product stream. *Applied and Environmental Microbiology*, **2005**, 71, 8383-9	4.8	154
138	Perspectives on the role of the human gut microbiota and its modulation by pro- and prebiotics. *Nutrition Research Reviews*, **2000**, 13, 229-54	7	134
137	Flavonoid-rich fruit and vegetables improve microvascular reactivity and inflammatory status in men at risk of cardiovascular disease--FLAVURS: a randomized controlled trial. *American Journal of Clinical Nutrition*, **2014**, 99, 479-89	7	129
136	Metabolism of Maillard reaction products by the human gut microbiota--implications for health. *Molecular Nutrition and Food Research*, **2006**, 50, 847-57	5.9	125
135	Connecting the immune system, systemic chronic inflammation and the gut microbiome: The role of sex. *Journal of Autoimmunity*, **2018**, 92, 12-34	15.5	122
134	A randomised crossover study investigating the effects of galacto-oligosaccharides on the faecal microbiota in men and women over 50 years of age. *British Journal of Nutrition*, **2012**, 107, 1466-75	3.6	114
133	A Human Volunteer Study to Determine the Prebiotic Effects of Lactulose Powder on Human Colonic Microbiota. *Microbial Ecology in Health and Disease*, **2002**, 14, 165-173		109
132	Habitat fragmentation is associated to gut microbiota diversity of an endangered primate: implications for conservation. *Scientific Reports*, **2015**, 5, 14862	4.9	107
131	Determination of the in vivo prebiotic potential of a maize-based whole grain breakfast cereal: a human feeding study. *British Journal of Nutrition*, **2010**, 104, 1353-6	3.6	105
130	Dietary glycated protein modulates the colonic microbiota towards a more detrimental composition in ulcerative colitis patients and non-ulcerative colitis subjects. *Journal of Applied Microbiology*, **2008**, 105, 706-14	4.7	102
129	The gut microbiota and lipid metabolism: implications for human health and coronary heart disease. *Current Medicinal Chemistry*, **2006**, 13, 3005-21	4.3	102
128	Variation in antibiotic-induced microbial recolonization impacts on the host metabolic phenotypes of rats. *Journal of Proteome Research*, **2011**, 10, 3590-603	5.6	101
127	In vitro evaluation of the prebiotic activity of a pectic oligosaccharide-rich extract enzymatically derived from bergamot peel. *Applied Microbiology and Biotechnology*, **2007**, 73, 1173-9	5.7	100
126	Konjac glucomannan hydrolysate beneficially modulates bacterial composition and activity within the faecal microbiota. *Journal of Functional Foods*, **2010**, 2, 219-224	5.1	96
125	A Human Volunteer Study on the Prebiotic Effects of HP-Inulin—Faecal Bacteria Enumerated Using Fluorescent In Situ Hybridisation (FISH). *Anaerobe*, **2001**, 7, 113-118	2.8	94

124	Xylo-oligosaccharides alone or in synbiotic combination with Bifidobacterium animalis subsp. lactis induce bifidogenesis and modulate markers of immune function in healthy adults: a double-blind, placebo-controlled, randomised, factorial cross-over study. *British Journal of Nutrition*, **2014**, 111, 1945-56	3.6	88
123	'The way to a man's heart is through his gut microbiota'--dietary pro- and prebiotics for the management of cardiovascular risk. *Proceedings of the Nutrition Society*, **2014**, 73, 172-85	2.9	88
122	Effects of resistant starch type III polymorphs on human colon microbiota and short chain fatty acids in human gut models. *Journal of Agricultural and Food Chemistry*, **2008**, 56, 5415-21	5.7	88
121	Prebiotic effect of fruit and vegetable shots containing Jerusalem artichoke inulin: a human intervention study. *British Journal of Nutrition*, **2010**, 104, 233-40	3.6	81
120	Prebiotic effects of inulin and oligofructose. *British Journal of Nutrition*, **2002**, 87 Suppl 2, S193-7	3.6	81
119	Impact of increasing fruit and vegetables and flavonoid intake on the human gut microbiota. *Food and Function*, **2016**, 7, 1788-96	6.1	76
118	Apples and cardiovascular health--is the gut microbiota a core consideration?. *Nutrients*, **2015**, 7, 3959-98	6.7	75
117	Bacterial, SCFA and gas profiles of a range of food ingredients following in vitro fermentation by human colonic microbiota. *Anaerobe*, **2010**, 16, 420-5	2.8	72
116	Studying the human gut microbiota in the trans-omics era--focus on metagenomics and metabonomics. *Current Pharmaceutical Design*, **2009**, 15, 1415-27	3.3	70
115	Effect of Lactobacillus acidophilus NCDC 13 supplementation on the progression of obesity in diet-induced obese mice. *British Journal of Nutrition*, **2012**, 108, 1382-9	3.6	70
114	In vitro evaluation of the microbiota modulation abilities of different sized whole oat grain flakes. *Anaerobe*, **2010**, 16, 483-8	2.8	69
113	Production of angiotensin-I-converting enzyme (ACE) inhibitory activity in milk fermented with probiotic strains: Effects of calcium, pH and peptides on the ACE-inhibitory activity. *International Dairy Journal*, **2011**, 21, 615-622	3.5	65
112	Effects of Commercial Apple Varieties on Human Gut Microbiota Composition and Metabolic Output Using an In Vitro Colonic Model. *Nutrients*, **2017**, 9,	6.7	60
111	The bacterial biota of laboratory-reared edible mealworms (Tenebrio molitor L.): From feed to frass. *International Journal of Food Microbiology*, **2018**, 272, 49-60	5.8	57
110	Gut microbiome modulates the toxicity of hydrazine: a metabonomic study. *Molecular BioSystems*, **2009**, 5, 351-5		57
109	Fermentable carbohydrate alters hypothalamic neuronal activity and protects against the obesogenic environment. *Obesity*, **2012**, 20, 1016-23	8	56
108	Differential induction of apoptosis in human colonic carcinoma cells (Caco-2) by Atopobium, and commensal, probiotic and enteropathogenic bacteria: mediation by the mitochondrial pathway. *International Journal of Food Microbiology*, **2010**, 137, 190-203	5.8	56
107	Differential effects of two fermentable carbohydrates on central appetite regulation and body composition. *PLoS ONE*, **2012**, 7, e43263	3.7	56

106	Selective effects of Lactobacillus casei Shirota on T cell activation, natural killer cell activity and cytokine production. *Clinical and Experimental Immunology*, **2010**, 161, 378-88	6.2	55
105	In vitro evaluation of the fermentation properties and potential prebiotic activity of Agave fructans. *Journal of Applied Microbiology*, **2010**, 108, 2114-21	4.7	53
104	Profiling of composition and metabolic activities of the colonic microflora of growing pigs fed diets supplemented with prebiotic oligosaccharides. *Anaerobe*, **2006**, 12, 178-85	2.8	53
103	Survivability of a probiotic Lactobacillus casei in the gastrointestinal tract of healthy human volunteers and its impact on the faecal microflora. *Journal of Applied Microbiology*, **2007**, 102, 1026-32	4.7	52
102	How do probiotics and prebiotics function at distant sites?. *Beneficial Microbes*, **2017**, 8, 521-533	4.9	50
101	Host: Microbiome co-metabolic processing of dietary polyphenols - An acute, single blinded, cross-over study with different doses of apple polyphenols in healthy subjects. *Food Research International*, **2018**, 112, 108-128	7	48
100	Biodiversity and □aminobutyric acid production by lactic acid bacteria isolated from traditional alpine raw cow's milk cheeses. *BioMed Research International*, **2015**, 2015, 625740	3	48
99	High-level dietary fibre up-regulates colonic fermentation and relative abundance of saccharolytic bacteria within the human faecal microbiota in vitro. *European Journal of Nutrition*, **2012**, 51, 693-705	5.2	48
98	Effects of bovine alpha-lactalbumin and casein glycomacropeptide-enriched infant formulae on faecal microbiota in healthy term infants. *Journal of Pediatric Gastroenterology and Nutrition*, **2006**, 43, 673-9	2.8	48
97	Gamma-aminobutyric acid-producing lactobacilli positively affect metabolism and depressive-like behaviour in a mouse model of metabolic syndrome. *Scientific Reports*, **2019**, 9, 16323	4.9	47
96	Effect of polydextrose on intestinal microbes and immune functions in pigs. *British Journal of Nutrition*, **2007**, 98, 123-33	3.6	47
95	A human volunteer study to assess the impact of confectionery sweeteners on the gut microbiota composition. *British Journal of Nutrition*, **2010**, 104, 701-8	3.6	46
94	An in vitro study of the effect of probiotics, prebiotics and synbiotics on the elderly faecal microbiota. *Anaerobe*, **2014**, 27, 50-5	2.8	45
93	Identification and characterization of wild lactobacilli and pediococci from spontaneously fermented Mountain cheese. *Food Microbiology*, **2015**, 48, 123-32	6	45
92	A comparative in vitro investigation into the effects of cooked meats on the human faecal microbiota. *Anaerobe*, **2010**, 16, 572-7	2.8	45
91	Profiling of phenols in human fecal water after raspberry supplementation. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 10389-95	5.7	43
90	Fecal microbiota in patients receiving enteral feeding are highly variable and may be altered in those who develop diarrhea. *American Journal of Clinical Nutrition*, **2009**, 89, 240-7	7	43
89	Current evidence linking diet to gut microbiota and brain development and function. *International Journal of Food Sciences and Nutrition*, **2019**, 70, 1-19	3.7	43

88	In vitro study on gas generation and prebiotic effects of some carbohydrates and their mixtures. *Anaerobe*, **2007**, 13, 193-9	2.8	42
87	Hypocholesterolemic and Prebiotic Effects of a Whole-Grain Oat-Based Granola Breakfast Cereal in a Cardio-Metabolic "At Risk" Population. *Frontiers in Microbiology*, **2016**, 7, 1675	5.7	42
86	Monitoring of wheat lactic acid bacteria from the field until the first step of dough fermentation. *Food Microbiology*, **2017**, 62, 256-269	6	39
85	In vitro measurement of the impact of human milk oligosaccharides on the faecal microbiota of weaned formula-fed infants compared to a mixture of prebiotic fructooligosaccharides and galactooligosaccharides. *Letters in Applied Microbiology*, **2011**, 52, 337-43	2.9	39
84	Effects of Diet-Modulated Autologous Fecal Microbiota Transplantation on Weight Regain. *Gastroenterology*, **2021**, 160, 158-173.e10	13.3	38
83	Wholegrain oat-based cereals have prebiotic potential and low glycaemic index. *British Journal of Nutrition*, **2012**, 108, 2198-206	3.6	36
82	Gut : liver : brain axis: the microbial challenge in the hepatic encephalopathy. *Food and Function*, **2018**, 9, 1373-1388	6.1	35
81	Development of a fast and cost-effective gas chromatography-mass spectrometry method for the quantification of short-chain and medium-chain fatty acids in human biofluids. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 5555-5567	4.4	35
80	Measuring the impact of olive pomace enriched biscuits on the gut microbiota and its metabolic activity in mildly hypercholesterolaemic subjects. *European Journal of Nutrition*, **2019**, 58, 63-81	5.2	35
79	Effect of green-Mediterranean diet on intrahepatic fat: the DIRECT PLUS randomised controlled trial. *Gut*, **2021**, 70, 2085-2095	19.2	35
78	Insulin Resistance, Microbiota, and Fat Distribution Changes by a New Model of Vertical Sleeve Gastrectomy in Obese Rats. *Diabetes*, **2016**, 65, 2990-3001	0.9	34
77	2-1 Fructans have a bifidogenic effect in healthy middle-aged human subjects but do not alter immune responses examined in the absence of an in vivo immune challenge: results from a randomised controlled trial. *British Journal of Nutrition*, **2012**, 108, 1818-28	3.6	32
76	In vitro batch cultures of gut microbiota from healthy and ulcerative colitis (UC) subjects suggest that sulphate-reducing bacteria levels are raised in UC and by a protein-rich diet. *International Journal of Food Sciences and Nutrition*, **2014**, 65, 79-88	3.7	31
75	In vitro studies on colonization resistance of the human gut microbiota to Candida albicans and the effects of tetracycline and Lactobacillus plantarum LPK. *Current Issues in Intestinal Microbiology*, **2003**, 4, 1-8		31
74	In vitro fermentation characteristics of whole grain wheat flakes and the effect of toasting on prebiotic potential. *Journal of Medicinal Food*, **2012**, 15, 33-43	2.8	30
73	Nutrition and the ageing brain: Moving towards clinical applications. *Ageing Research Reviews*, **2020**, 62, 101079	12	29
72	Microbial dynamics of model Fabriano-like fermented sausages as affected by starter cultures, nitrates and nitrites. *International Journal of Food Microbiology*, **2018**, 278, 61-72	5.8	27
71	Two apples a day lower serum cholesterol and improve cardiometabolic biomarkers in mildly hypercholesterolemic adults: a randomized, controlled, crossover trial. *American Journal of Clinical Nutrition*, **2020**, 111, 307-318	7	27

70	Gut microbiota and health: connecting actors across the metabolic system. *Proceedings of the Nutrition Society*, **2019**, 78, 177-188	2.9	27
69	Development of antimicrobial synbiotics using potentially-probiotic faecal isolates of Lactobacillus fermentum and Bifidobacterium longum. *Anaerobe*, **2013**, 20, 5-13	2.8	26
68	Impact of ageing and a synbiotic on the immune response to seasonal influenza vaccination; a randomised controlled trial. *Clinical Nutrition*, **2018**, 37, 443-451	5.9	25
67	Effect of a synbiotic on the response to seasonal influenza vaccination is strongly influenced by degree of immunosenescence. *Immunity and Ageing*, **2016**, 13, 6	9.7	25
66	The human gut flora in nutrition and approaches for its dietary modulation. *Nutrition Bulletin*, **2000**, 25, 223-231	3.5	24
65	Impact of thistle rennet from Carlina acanthifolia All. subsp. acanthifolia on bacterial diversity and dynamics of a specialty Italian raw ewes' milk cheese. *International Journal of Food Microbiology*, **2017**, 255, 7-16	5.8	23
64	Prebiotic Wheat Bran Fractions Induce Specific Microbiota Changes. *Frontiers in Microbiology*, **2018**, 9, 31	5.7	22
63	Breakthroughs in the Health Effects of Plant Food Bioactives: A Perspective on Microbiomics, Nutri(epi)genomics, and Metabolomics. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 10686-10692	5.7	22
62	Urinary metabolomic profiling to identify biomarkers of a flavonoid-rich and flavonoid-poor fruits and vegetables diet in adults: the FLAVURS trial. *Metabolomics*, **2016**, 12, 1	4.7	21
61	Monitoring transfer of recombinant and nonrecombinant plasmids between Lactococcus lactis strains and members of the human gastrointestinal microbiota in vivo--impact of donor cell number and diet. *Journal of Applied Microbiology*, **2002**, 93, 954-64	4.7	21
60	Large scale genome reconstructions illuminate Wolbachia evolution. *Nature Communications*, **2020**, 11, 5235	17.4	21
59	Hermetia illucens in diets for zebrafish (Danio rerio): A study of bacterial diversity by using PCR-DGGE and metagenomic sequencing. *PLoS ONE*, **2019**, 14, e0225956	3.7	21
58	Microbial evolution of traditional mountain cheese and characterization of early fermentation cocci for selection of autochtonous dairy starter strains. *Food Microbiology*, **2016**, 53, 94-103	6	19
57	Age-Related Changes in the Natural Killer Cell Response to Seasonal Influenza Vaccination Are Not Influenced by a Synbiotic: a Randomised Controlled Trial. *Frontiers in Immunology*, **2018**, 9, 591	8.4	19
56	Biomarkers of cereal food intake. *Genes and Nutrition*, **2019**, 14, 28	4.3	19
55	Metformin and Dipeptidyl Peptidase-4 Inhibitor Differentially Modulate the Intestinal Microbiota and Plasma Metabolome of Metabolically Dysfunctional Mice. *Canadian Journal of Diabetes*, **2020**, 44, 146-155.e2	2.1	19
54	Effects of Lactobacillus spp. on the phytochemical composition of juices from two varieties of Citrus sinensis L. Osbeck: Tarocco and Washington navel *LWT - Food Science and Technology*, **2020**, 125, 109205	5.4	16
53	Evaluation of autochthonous lactic acid bacteria as starter and non-starter cultures for the production of Traditional Mountain cheese. *Food Research International*, **2019**, 115, 209-218	7	16

52	Production of Naturally Aminobutyric Acid-Enriched Cheese Using the Dairy Strains 84C and DSM 32386. *Frontiers in Microbiology*, **2019**, 10, 93	5.7	15
51	Exploring the microbiota of the red-brown defect in smear-ripened cheese by 454-pyrosequencing and its prevention using different cleaning systems. *Food Microbiology*, **2017**, 62, 160-168	6	15
50	Effects of Exogenous Dietary Advanced Glycation End Products on the Cross-Talk Mechanisms Linking Microbiota to Metabolic Inflammation. *Nutrients*, **2020**, 12,	6.7	15
49	Gut microbiota associations with diet in irritable bowel syndrome and the effect of low FODMAP diet and probiotics. *Clinical Nutrition*, **2021**, 40, 1861-1870	5.9	15
48	Intestinal Organoids: A Tool for Modelling Diet-Microbiome-Host Interactions. *Trends in Endocrinology and Metabolism*, **2020**, 31, 848-858	8.8	14
47	In vitro probiotic characterization of high GABA producing strain Lactobacilluas brevis DSM 32386 isolated from traditional Wild Alpine cheese. *Annals of Microbiology*, **2019**, 69, 1435-1443	3.2	14
46	Molecular identification and anti-pathogenic activities of putative probiotic bacteria isolated from faeces of healthy elderly individuals. *Microbial Ecology in Health and Disease*, **2004**, 16, 105-112		13
45	Healthy dietary patterns to reduce obesity-related metabolic disease: polyphenol-microbiome interactions unifying health effects across geography. *Current Opinion in Clinical Nutrition and Metabolic Care*, **2020**, 23, 437-444	3.8	13
44	Digestion and Colonic Fermentation of Raw and Cooked Opuntia ficus-indica Cladodes Impacts Bioaccessibility and Bioactivity. *Journal of Agricultural and Food Chemistry*, **2019**, 67, 2490-2499	5.7	13
43	A novel combined biomarker including plasma carotenoids, vitamin C, and ferric reducing antioxidant power is more strongly associated with fruit and vegetable intake than the individual components. *Journal of Nutrition*, **2014**, 144, 1866-72	4.1	12
42	Manipulation of Dietary Amino Acids Prevents and Reverses Obesity in Mice Through Multiple Mechanisms That Modulate Energy Homeostasis. *Diabetes*, **2020**, 69, 2324-2339	0.9	11
41	Two apples a day modulate human:microbiome co-metabolic processing of polyphenols, tyrosine and tryptophan. *European Journal of Nutrition*, **2020**, 59, 3691-3714	5.2	10
40	Antimicrobial activity of selected synbiotics targeted for the elderly against pathogenic Escherichia coli strains. *International Journal of Food Sciences and Nutrition*, **2016**, 67, 83-91	3.7	9
39	In vitro evaluation of prebiotic properties derived from rice bran obtained by debranning technology. *International Journal of Food Sciences and Nutrition*, **2017**, 68, 421-428	3.7	9
38	Processed Animal Proteins from Insect and Poultry By-Products in a Fish Meal-Free Diet for Rainbow Trout: Impact on Intestinal Microbiota and Inflammatory Markers. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	9
37	Baricitinib counteracts metaflammation, thus protecting against diet-induced metabolic abnormalities in mice. *Molecular Metabolism*, **2020**, 39, 101009	8.8	8
36	Inulin-type fructans in healthy aging. *Journal of Nutrition*, **2007**, 137, 2590S-2593S	4.1	8
35	Gut microbiota: Inulin regulates endothelial function: a prebiotic smoking gun?. *Nature Reviews Gastroenterology and Hepatology*, **2017**, 14, 392-394	24.2	6

34	Diet and the Gut Microbiota How the Gut **2015**, 225-245		6
33	Low-Dose Lactulose as a Prebiotic for Improved Gut Health and Enhanced Mineral Absorption. *Frontiers in Nutrition*, **2021**, 8, 672925	6.2	6
32	Nutrition challenges ahead. *EFSA Journal*, **2016**, 14, e00504	2.3	5
31	Considerations for the design and conduct of human gut microbiota intervention studies relating to foods. *European Journal of Nutrition*, **2020**, 59, 3347-3368	5.2	4
30	Shift in the cow milk microbiota during alpine pasture as analyzed by culture dependent and high-throughput sequencing techniques. *Food Microbiology*, **2020**, 91, 103504	6	4
29	Commentary on 'Prebiotics, immune function, infection and inflammation: a review of the evidence'. *British Journal of Nutrition*, **2009**, 101, 631-2	3.6	4
28	The Prebiotic Effects of Oats on Blood Lipids, Gut Microbiota, and Short-Chain Fatty Acids in Mildly Hypercholesterolemic Subjects Compared With Rice: A Randomized, Controlled Trial.. *Frontiers in Immunology*, **2021**, 12, 787797	8.4	4
27	Inulin: a prebiotic functional food ingredient. *Food Science and Technology Bulletin*, **2006**, 3, 31-46		4
26	Shaping the human microbiome with prebiotic foods current perspectives for continued development. *Food Science and Technology Bulletin*, **2010**, 7, 49-64		4
25	The Metabolomic-Gut-Clinical Axis of Mankai Plant-Derived Dietary Polyphenols. *Nutrients*, **2021**, 13,	6.7	4
24	The effects of the Green-Mediterranean diet on cardiometabolic health are linked to gut microbiome modifications: a randomized controlled trial.. *Genome Medicine*, **2022**, 14, 29	14.4	4
23	The Microbiota of the Human Gastrointestinal Tract **2015**, 1-15		3
22	Applying novel approaches for GC GC-TOF-MS data cleaning and trends clustering in VOCs time-series analysis: Following the volatiles fate in grass baths through passive diffusion sampling. *Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences*, **2018**, 1096, 56-65	3.2	3
21	Molecular Microbial Ecology of the Human Gut **2012**, 135-155		3
20	Improving gut health in the elderly **2004**, 394-415		3
19	. *Microbial Ecology in Health and Disease*, **2002**, 14,		3
18	Ex vivo fecal fermentation of human ileal fluid collected after raspberry consumption modifies (poly)phenolics and modulates genoprotective effects in colonic epithelial cells. *Redox Biology*, **2021**, 40, 101862	11.3	3
17	Measuring the effect of Mankai (Wolffia globosa) on the gut microbiota and its metabolic output using an in vitro colon model. *Journal of Functional Foods*, **2021**, 84, 104597	5.1	2

16	Population Level Divergence from the Mediterranean Diet and the Risk of Cancer and Metabolic Disease **2015**, 209-223		1
15	Shaping the Human Microbiome with Prebiotic Foods □Current Perspectives for Continued Development**This is an update of: □Shaping the human microbiome with prebiotic foods □current perspectives for continued development.□Food Science and Technology Bulletin 2010; 7(4): 49□64. Available from: http://dx.doi.org/10.1616/1476-2137.15989 handle:		1
14	Effects of a novel probiotic, Bifidobacterium longum bv. infantis CCUG 52486 with prebiotic on the B-cell response to influenza vaccination. *Proceedings of the Nutrition Society*, **2014**, 73,	2.9	1
13	Culture-Independent Analysis of the Human Gut Microbiota and their Activities **2011**, 207-219		1
12	Low glycaemic index wholegrain oat cereal consumption resulted in prebiotic and hypo-cholesterolaemic effects in those □t risk□of metabolic disease. *Proceedings of the Nutrition Society*, **2011**, 70,	2.9	1
11	The in vitro prebiotic potential and glycaemic index (GI) of wholegrain-oat-based cereals. *Proceedings of the Nutrition Society*, **2010**, 69,	2.9	1
10	Functions of the Human Intestinal Flora: The Use of Probiotics and Prebiotics174-207		1
9	Biosafety of marker genes **2002**,		1
8	The potential role of the intestinal gut microbiota in obesity and the metabolic syndrome. *Food Science and Technology Bulletin*, **2009**, 5, 71-92		1
7	Production of conjugated linoleic acid (CLA): effect of inulin on microbial composition and CLA concentration in a human intestinal model. *Proceedings of the Nutrition Society*, **2020**, 79,	2.9	1
6	Microbial community dynamics in phyto-thermotherapy baths viewed through next generation sequencing and metabolomics approach. *Scientific Reports*, **2020**, 10, 17931	4.9	1
5	Massive Survey on Bacterial-Bacteriophages Biodiversity and Quality of Natural Whey Starter Cultures in Trentingrana Cheese Production. *Frontiers in Microbiology*, **2021**, 12, 678012	5.7	1
4	Ex Vivo Faecal Fermentation of human Ileal Fluid Collected After Wild Strawberry Consumption Modulates Human Microbiome Community Structure and Metabolic Output and Protects Against DNA Damage in Colonic Epithelial Cells. *Molecular Nutrition and Food Research*, **2021**, e2100405	5.9	0
3	Impact of wheat aleurone on biomarkers of cardiovascular disease, gut microbiota and metabolites in adults with high body mass index: a double-blind, placebo-controlled, randomized clinical trial.. *European Journal of Nutrition*, **2022**, 1	5.2	0
2	A Nutritional Anthropology of the Human Gut Microbiota **2015**, 17-26		
1	Post-Genomics Approaches towards Monitoring Changes within the Microbial Ecology of the Gut **2009**, 79-110		