

# Kristin Verbeke

## List of Publications by Citations

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106  
papers

11,127  
citations

44  
h-index

105  
g-index

129  
ext. papers

14,296  
ext. citations

6.9  
avg, IF

6.52  
L-index

#	Paper	IF	Citations
106	Expert consensus document: The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of prebiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2017</b> , 14, 491-502	24.2	1963
105	A decrease of the butyrate-producing species <i>Roseburia hominis</i> and <i>Faecalibacterium prausnitzii</i> defines dysbiosis in patients with ulcerative colitis. <i>Gut</i> , <b>2014</b> , 63, 1275-83	19.2	925
104	Dysbiosis of the faecal microbiota in patients with Crohn's disease and their unaffected relatives. <i>Gut</i> , <b>2011</b> , 60, 631-7	19.2	640
103	The role of short-chain fatty acids in microbiota-gut-brain communication. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2019</b> , 16, 461-478	24.2	637
102	Dysbiosis of the gut microbiota in disease. <i>Microbial Ecology in Health and Disease</i> , <b>2015</b> , 26, 26191		604
101	Intestinal permeability, gut-bacterial dysbiosis, and behavioral markers of alcohol-dependence severity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2014</b> , 111, E4485-93	11.5	455
100	Prebiotic and other health-related effects of cereal-derived arabinoxylans, arabinoxylan-oligosaccharides, and xylooligosaccharides. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2011</b> , 51, 178-94	11.5	380
99	Relevance of protein fermentation to gut health. <i>Molecular Nutrition and Food Research</i> , <b>2012</b> , 56, 184-96	9.9	358
98	Psychological stress and corticotropin-releasing hormone increase intestinal permeability in humans by a mast cell-dependent mechanism. <i>Gut</i> , <b>2014</b> , 63, 1293-9	19.2	308
97	Uremic toxins originating from colonic microbial metabolism. <i>Kidney International</i> , <b>2009</b> , S12-9	9.9	275
96	The International Scientific Association for Probiotics and Prebiotics (ISAPP) consensus statement on the definition and scope of synbiotics. <i>Nature Reviews Gastroenterology and Hepatology</i> , <b>2020</b> , 17, 687-701	24.2	249
95	Prebiotic inulin-type fructans induce specific changes in the human gut microbiota. <i>Gut</i> , <b>2017</b> , 66, 1968-1974	19.2	236
94	p-Cresol and cardiovascular risk in mild-to-moderate kidney disease. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2010</b> , 5, 1182-9	6.9	217
93	p-Cresyl sulfate serum concentrations in haemodialysis patients are reduced by the prebiotic oligofructose-enriched inulin. <i>Nephrology Dialysis Transplantation</i> , <b>2010</b> , 25, 219-24	4.3	204
92	The uremic retention solute p-cresyl sulfate and markers of endothelial damage. <i>American Journal of Kidney Diseases</i> , <b>2009</b> , 54, 891-901	7.4	194
91	Donor Species Richness Determines Faecal Microbiota Transplantation Success in Inflammatory Bowel Disease. <i>Journal of Crohn's and Colitis</i> , <b>2016</b> , 10, 387-94	1.5	183
90	Gas chromatographic-mass spectrometric analysis for measurement of p-cresol and its conjugated metabolites in uremic and normal serum. <i>Clinical Chemistry</i> , <b>2005</b> , 51, 1535-8	5.5	145

89	Functional analysis of colonic bacterial metabolism: relevant to health?. <i>American Journal of Physiology - Renal Physiology</i> , <b>2012</b> , 302, G1-9	5.1	137
88	Effects of Lactobacillus casei Shirota, Bifidobacterium breve, and oligofructose-enriched inulin on colonic nitrogen-protein metabolism in healthy humans. <i>American Journal of Physiology - Renal Physiology</i> , <b>2007</b> , 292, G358-68	5.1	128
87	Faecal metabolite profiling identifies medium-chain fatty acids as discriminating compounds in IBD. <i>Gut</i> , <b>2015</b> , 64, 447-58	19.2	116
86	The impact of pre- and/or probiotics on human colonic metabolism: does it affect human health?. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 46-57	5.9	111
85	Tolerance of arabinoxylan-oligosaccharides and their prebiotic activity in healthy subjects: a randomised, placebo-controlled cross-over study. <i>British Journal of Nutrition</i> , <b>2010</b> , 103, 703-13	3.6	111
84	Update on lactose malabsorption and intolerance: pathogenesis, diagnosis and clinical management. <i>Gut</i> , <b>2019</b> , 68, 2080-2091	19.2	100
83	A Critical Look at Prebiotics Within the Dietary Fiber Concept. <i>Annual Review of Food Science and Technology</i> , <b>2016</b> , 7, 167-90	14.7	92
82	Establishing What Constitutes a Healthy Human Gut Microbiome: State of the Science, Regulatory Considerations, and Future Directions. <i>Journal of Nutrition</i> , <b>2019</b> , 149, 1882-1895	4.1	91
81	Evidence for impaired assimilation of protein in chronic renal failure. <i>Kidney International</i> , <b>2003</b> , 64, 2196-203	19.2	89
80	Effects of a wheat bran extract containing arabinoxylan oligosaccharides on gastrointestinal health parameters in healthy adult human volunteers: a double-blind, randomised, placebo-controlled, cross-over trial. <i>British Journal of Nutrition</i> , <b>2012</b> , 108, 2229-42	3.6	84
79	Quantification of in Vivo Colonic Short Chain Fatty Acid Production from Inulin. <i>Nutrients</i> , <b>2015</b> , 7, 8916-29	3.7	83
78	The Influence of CKD on Colonic Microbial Metabolism. <i>Journal of the American Society of Nephrology: JASN</i> , <b>2016</b> , 27, 1389-99	12.7	82
77	Specific members of the predominant gut microbiota predict pouchitis following colectomy and IPAA in UC. <i>Gut</i> , <b>2017</b> , 66, 79-88	19.2	81
76	Renal clearance and intestinal generation of p-cresyl sulfate and indoxyl sulfate in CKD. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2013</b> , 8, 1508-14	6.9	76
75	The Influence of Dietary Protein Intake on Mammalian Tryptophan and Phenolic Metabolites. <i>PLoS ONE</i> , <b>2015</b> , 10, e0140820	3.7	62
74	The Influence of Prebiotic Arabinoxylan Oligosaccharides on Microbiota Derived Uremic Retention Solutes in Patients with Chronic Kidney Disease: A Randomized Controlled Trial. <i>PLoS ONE</i> , <b>2016</b> , 11, e0153893	3.7	61
73	Impaired butyrate oxidation in ulcerative colitis is due to decreased butyrate uptake and a defect in the oxidation pathway. <i>Inflammatory Bowel Diseases</i> , <b>2012</b> , 18, 1127-36	4.5	56
72	Effects of cereal fiber on bowel function: A systematic review of intervention trials. <i>World Journal of Gastroenterology</i> , <b>2015</b> , 21, 8952-63	5.6	56

71	Development of a screening method to determine the pattern of fermentation metabolites in faecal samples using on-line purge-and-trap gas chromatographic-mass spectrometric analysis. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 1476-83	4.5	53
70	Consumption of breads containing in situ-produced arabinoxylan oligosaccharides alters gastrointestinal effects in healthy volunteers. <i>Journal of Nutrition</i> , <b>2012</b> , 142, 470-7	4.1	53
69	Modulation of protein fermentation does not affect fecal water toxicity: a randomized cross-over study in healthy subjects. <i>PLoS ONE</i> , <b>2012</b> , 7, e52387	3.7	52
68	Gastric emptying in healthy newborns fed an intact protein formula, a partially and an extensively hydrolysed formula. <i>Clinical Nutrition</i> , <b>2008</b> , 27, 264-8	5.9	51
67	Dose-response effect of arabinoxyloligosaccharides on gastrointestinal motility and on colonic bacterial metabolism in healthy volunteers. <i>Journal of the American College of Nutrition</i> , <b>2008</b> , 27, 512-8	3.5	49
66	The influence of inulin on the absorption of nitrogen and the production of metabolites of protein fermentation in the colon. <i>British Journal of Nutrition</i> , <b>2006</b> , 96, 1078-86	3.6	47
65	Butyrate Producers as Potential Next-Generation Probiotics: Safety Assessment of the Administration of to Healthy Volunteers. <i>MSystems</i> , <b>2018</b> , 3,	7.6	45
64	Prebiotics, Fermentable Dietary Fiber, and Health Claims. <i>Advances in Nutrition</i> , <b>2016</b> , 7, 1-4	10	44
63	Short chain fatty acids and its producing organisms: An overlooked therapy for IBD?. <i>EBioMedicine</i> , <b>2021</b> , 66, 103293	8.8	41
62	Cardiovascular disease relates to intestinal uptake of p-cresol in patients with chronic kidney disease. <i>BMC Nephrology</i> , <b>2014</b> , 15, 87	2.7	40
61	Effects of wheat bran extract containing arabinoxylan oligosaccharides on gastrointestinal parameters in healthy preadolescent children. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , <b>2014</b> , 58, 647-53	2.8	40
60	Effects of Cereal, Fruit and Vegetable Fibers on Human Fecal Weight and Transit Time: A Comprehensive Review of Intervention Trials. <i>Nutrients</i> , <b>2016</b> , 8, 130	6.7	40
59	Progressive decline in tacrolimus clearance after renal transplantation is partially explained by decreasing CYP3A4 activity and increasing haematocrit. <i>British Journal of Clinical Pharmacology</i> , <b>2015</b> , 80, 548-59	3.8	39
58	Colon-delivered short-chain fatty acids attenuate the cortisol response to psychosocial stress in healthy men: a randomized, placebo-controlled trial. <i>Neuropsychopharmacology</i> , <b>2020</b> , 45, 2257-2266	8.7	38
57	The prebiotic, oligofructose-enriched inulin modulates the faecal metabolite profile: an in vitro analysis. <i>Molecular Nutrition and Food Research</i> , <b>2010</b> , 54, 1791-801	5.9	38
56	Role for diet in normal gut barrier function: developing guidance within the framework of food-labeling regulations. <i>American Journal of Physiology - Renal Physiology</i> , <b>2019</b> , 317, G17-G39	5.1	37
55	Fat binding capacity and modulation of the gut microbiota both determine the effect of wheat bran fractions on adiposity. <i>Scientific Reports</i> , <b>2017</b> , 7, 5621	4.9	33
54	High-throughput method for comparative analysis of denaturing gradient gel electrophoresis profiles from human fecal samples reveals significant increases in two bifidobacterial species after inulin-type prebiotic intake. <i>FEMS Microbiology Ecology</i> , <b>2011</b> , 75, 343-9	4.3	32

53	Influence of long-term administration of lactulose and <i>Saccharomyces boulardii</i> on the colonic generation of phenolic compounds in healthy human subjects. <i>Journal of the American College of Nutrition</i> , <b>2006</b> , 25, 541-9	3.5	32
52	Gut Microbiota-Induced Changes in $\beta$ -Hydroxybutyrate Metabolism Are Linked to Altered Sociability and Depression in Alcohol Use Disorder. <i>Cell Reports</i> , <b>2020</b> , 33, 108238	10.6	32
51	The circadian clock regulates the diurnal levels of microbial short-chain fatty acids and their rhythmic effects on colon contractility in mice. <i>Acta Physiologica</i> , <b>2019</b> , 225, e13193	5.6	32
50	Decreased mucosal sulfide detoxification is related to an impaired butyrate oxidation in ulcerative colitis. <i>Inflammatory Bowel Diseases</i> , <b>2012</b> , 18, 2371-80	4.5	31
49	Development of a conjugate of (99m)Tc-EC with aminomethylenediphosphonate in the search for a bone tracer with fast clearance from soft tissue. <i>Bioconjugate Chemistry</i> , <b>2002</b> , 13, 16-22	6.3	31
48	Optimization of the preparation of 99mTc-labeled Hynic-derivatized Annexin V for human use. <i>Nuclear Medicine and Biology</i> , <b>2003</b> , 30, 771-8	2.1	31
47	Wheat bran extract alters colonic fermentation and microbial composition, but does not affect faecal water toxicity: a randomised controlled trial in healthy subjects. <i>British Journal of Nutrition</i> , <b>2015</b> , 113, 225-38	3.6	30
46	Metformin induces weight loss associated with gut microbiota alteration in non-diabetic obese women: a randomized double-blind clinical trial. <i>European Journal of Endocrinology</i> , <b>2019</b> , 180, 165-176	6.5	28
45	Brassicaceae seed oil identified as illuminant in Nilotic shells from a first millennium AD Coptic church in Bawit, Egypt. <i>Analytical and Bioanalytical Chemistry</i> , <b>2008</b> , 390, 783-93	4.4	26
44	Impact of the synbiotic combination of <i>Lactobacillus casei</i> shirota and oligofructose-enriched inulin on the fecal volatile metabolite profile in healthy subjects. <i>Molecular Nutrition and Food Research</i> , <b>2011</b> , 55, 714-22	5.9	23
43	Introducing insoluble wheat bran as a gut microbiota niche in an in vitro dynamic gut model stimulates propionate and butyrate production and induces colon region specific shifts in the luminal and mucosal microbial community. <i>Environmental Microbiology</i> , <b>2018</b> , 20, 3406-3426	5.2	22
42	Application of a multi-analytical toolset to a 16th century ointment: Identification as lead plaster mixed with beeswax. <i>Microchemical Journal</i> , <b>2010</b> , 95, 227-234	4.8	22
41	Preparation, analysis and biodistribution in mice of iodine-123 labelled derivatives of hypericin. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2004</b> , 47, 191-198	1.9	22
40	Modifying wheat bran to improve its health benefits. <i>Critical Reviews in Food Science and Nutrition</i> , <b>2020</b> , 60, 1104-1122	11.5	20
39	Validation of a new test meal for a protein digestion breath test in humans. <i>Journal of Nutrition</i> , <b>2004</b> , 134, 806-10	4.1	19
38	A highly sensitive liquid chromatography tandem mass spectrometry method for simultaneous quantification of midazolam, 1-hydroxymidazolam and 4-hydroxymidazolam in human plasma. <i>Biomedical Chromatography</i> , <b>2011</b> , 25, 1091-8	1.7	17
37	Additional Value of CH <sub>4</sub> Measurement in a Combined (13)C/H <sub>2</sub> Lactose Malabsorption Breath Test: A Retrospective Analysis. <i>Nutrients</i> , <b>2015</b> , 7, 7469-85	6.7	16
36	High dose of prebiotics reduces fecal water cytotoxicity in healthy subjects. <i>Molecular Nutrition and Food Research</i> , <b>2014</b> , 58, 2206-18	5.9	15

35	Efficacy and safety of spore-forming probiotics in the treatment of functional dyspepsia: a pilot randomised, double-blind, placebo-controlled trial. <i>The Lancet Gastroenterology and Hepatology</i> , <b>2021</b> , 6, 784-792	18.8	15
34	From intestinal permeability to dysmotility: the biobreeding rat as a model for functional gastrointestinal disorders. <i>PLoS ONE</i> , <b>2014</b> , 9, e111132	3.7	14
33	Contribution of Colonic Fermentation and Fecal Water Toxicity to the Pathophysiology of Lactose-Intolerance. <i>Nutrients</i> , <b>2015</b> , 7, 7505-22	6.7	13
32	The Role of Gut Dysbiosis in the Bone-Vascular Axis in Chronic Kidney Disease. <i>Toxins</i> , <b>2020</b> , 12,	4.9	12
31	Supplementation of oligofructose, but not sucralose, decreases high-fat diet induced body weight gain in mice independent of gustducin-mediated gut hormone release. <i>Molecular Nutrition and Food Research</i> , <b>2017</b> , 61, 1600716	5.9	12
30	Wheat Bran Does Not Affect Postprandial Plasma Short-Chain Fatty Acids From C-inulin Fermentation in Healthy Subjects. <i>Nutrients</i> , <b>2017</b> , 9,	6.7	12
29	Tolerance and the effect of high doses of wheat bran extract, containing arabinoxylan-oligosaccharides, and oligofructose on faecal output: a double-blind, randomised, placebo-controlled, cross-over trial. <i>Journal of Nutritional Science</i> , <b>2014</b> , 3, e49	2.7	11
28	Codeine delays gastric emptying through inhibition of gastric motility as assessed with a novel diagnostic intragastric balloon catheter. <i>Neurogastroenterology and Motility</i> , <b>2020</b> , 32, e13733	4	10
27	The role of nutrient sensing in the metabolic changes after gastric bypass surgery. <i>Journal of Endocrinology</i> , <b>2017</b> , 232, 363-376	4.7	9
26	Accuracy of Nutrient Calculations Using the Consumer-Focused Online App MyFitnessPal: Validation Study. <i>Journal of Medical Internet Research</i> , <b>2020</b> , 22, e18237	7.6	9
25	Night-time feeding of Bmal1 <sup>-/-</sup> mice restores SCFA rhythms and their effect on ghrelin. <i>Journal of Endocrinology</i> , <b>2020</b> , 245, 155-164	4.7	8
24	European guideline on indications, performance and clinical impact of C-breath tests in adult and pediatric patients: An EAGEN, ESNM, and ESPGHAN consensus, supported by EPC. <i>United European Gastroenterology Journal</i> , <b>2021</b> , 9, 598-625	5.3	8
23	Inflammation-Induced Downregulation of Butyrate Uptake and Oxidation Is Not Caused by a Reduced Gene Expression. <i>Journal of Cellular Physiology</i> , <b>2015</b> , 230, 418-26	7	7
22	A survey on the impact of the COVID-19 pandemic on motility and functional investigations in Europe and considerations for recommencing activities in the early recovery phase. <i>Neurogastroenterology and Motility</i> , <b>2020</b> , 32, e13926	4	7
21	Influence of resistant starch alone or combined with wheat bran on gastric emptying and protein digestion in healthy volunteers. <i>Scandinavian Journal of Gastroenterology</i> , <b>2007</b> , 42, 1187-93	2.4	6
20	Synthesis, radio-LC-MS analysis and biological evaluation of <sup>99m</sup> Tc-techmazetil. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , <b>2004</b> , 47, 199-208	1.9	4
19	Acotiamide affects antral motility, but has no effect on fundic motility, gastric emptying or symptom perception in healthy participants. <i>Neurogastroenterology and Motility</i> , <b>2019</b> , 31, e13540	4	3
18	T2026 A Dietary Intervention With Arabinoxylan Oligosaccharides Reduces Colonic Protein Fermentation in Healthy Subjects: Results From Faecal Metabolite Fingerprint Analysis. <i>Gastroenterology</i> , <b>2010</b> , 138, S-616	13.3	3

17	Structural factors governing starch digestion and glycemic responses and how they can be modified by enzymatic approaches: A review and a guide. <i>Comprehensive Reviews in Food Science and Food Safety</i> , <b>2021</b> , 20, 5965-5991	16.4	3
16	Effect of arabinoxylo-oligosaccharides on proximal gastrointestinal motility and digestion in healthy volunteers. <i>European E-journal of Clinical Nutrition and Metabolism</i> , <b>2008</b> , 3, e220-e225		2
15	CNCM I-3690 decreases subjective academic stress in healthy adults: a randomized placebo-controlled trial.. <i>Gut Microbes</i> , <b>2022</b> , 14, 2031695	8.8	2
14	Time-Restricted Feeding in Mice Prevents the Disruption of the Peripheral Circadian Clocks and Its Metabolic Impact during Chronic Jetlag. <i>Nutrients</i> , <b>2021</b> , 13,	6.7	2
13	Nourishing the gut microbiota: The potential of prebiotics in microbiota-gut-brain axis research. <i>Behavioral and Brain Sciences</i> , <b>2019</b> , 42,	0.9	2
12	Dietary assessment with the online platform MyFitnessPal: a reliable method?. <i>Proceedings of the Nutrition Society</i> , <b>2020</b> , 79,	2.9	2
11	Vasovagal reactions following venepuncture result in aberrant stress-induced cortisol levels. <i>Psychoneuroendocrinology</i> , <b>2021</b> , 128, 105220	5	2
10	Prebiotics and synbiotics: how do they affect health? <b>2014</b> , 47-61		1
9	Response to Tacrolimus pharmacokinetics after kidney transplantation--Influence of changes in haematocrit and steroid doses <i>British Journal of Clinical Pharmacology</i> , <b>2015</b> , 80, 1473-4	3.8	1
8	Chronodisruption by chronic jetlag impacts metabolic and gastrointestinal homeostasis in male mice. <i>Acta Physiologica</i> , <b>2021</b> , e13703	5.6	1
7	Wheat bran with reduced particle size increases serum SCFAs in obese subjects without improving health parameters compared with a maltodextrin placebo. <i>American Journal of Clinical Nutrition</i> , <b>2021</b> , 114, 1328-1341	7	1
6	Premilling pearling for producing wheat fractions with distinct digestibility and fermentability. <i>Cereal Chemistry</i> , <b>2021</b> , 98, 759-773	2.4	1
5	Changes in kynurenine pathway metabolites after acute psychosocial stress in healthy males: a single-arm pilot study. <i>Stress</i> , <b>2021</b> , 1-11	3	1
4	When the mind says one thing, but the HPA axis says another: Lack of coherence between subjective and neuroendocrine stress response trajectories in healthy men.. <i>Psychoneuroendocrinology</i> , <b>2022</b> , 139, 105692	5	1
3	How Microbial Food Fermentation Supports a Tolerant Gut. <i>Molecular Nutrition and Food Research</i> , <b>2021</b> , 65, e2000036	5.9	0
2	Dietary fibre and the gutBrain axis: microbiota-dependent and independent mechanisms of action1-39		0
1	Effect of AXOS on fecal water cytotoxicity and genotoxicity: a randomized, double-blind, placebo-controlled, cross-over study. <i>FASEB Journal</i> , <b>2013</b> , 27, 110.7	0.9	