

Grietje Holtrop

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

7,703
citations

172207

29
h-index

205818

48
g-index

48
all docs

48
docs citations

48
times ranked

9924
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher total faecal short-chain fatty acid concentrations correlate with increasing proportions of butyrate and decreasing proportions of branched-chain fatty acids across multiple human studies. <i>Gut Microbiome</i> , 2022, 3, .	0.8	8
2	Anthocyanin-enriched bilberry extract attenuates glycaemic response in overweight volunteers without changes in insulin. <i>Journal of Functional Foods</i> , 2020, 64, 103597.	1.6	29
3	Pivotal Roles for pH, Lactate, and Lactate-Utilizing Bacteria in the Stability of a Human Colonic Microbial Ecosystem. <i>MSystems</i> , 2020, 5, .	1.7	67
4	microPop: Modelling microbial populations and communities in R. <i>Methods in Ecology and Evolution</i> , 2018, 9, 399-409.	2.2	23
5	Specific substrate-driven changes in human faecal microbiota composition contrast with functional redundancy in short-chain fatty acid production. <i>ISME Journal</i> , 2018, 12, 610-622.	4.4	173
6	Porcine Small and Large Intestinal Microbiota Rapidly Hydrolyze the Masked Mycotoxin Deoxynivalenol-3-Glucoside and Release Deoxynivalenol in Spiked Batch Cultures <i>In Vitro</i> . <i>Applied and Environmental Microbiology</i> , 2018, 84, .	1.4	30
7	mRNA Levels of Placental Iron and Zinc Transporter Genes Are Upregulated in Gambian Women with Low Iron and Zinc Status. <i>Journal of Nutrition</i> , 2017, 147, 1401-1409.	1.3	15
8	Masked trichothecene and zearalenone mycotoxins withstand digestion and absorption in the upper GI tract but are efficiently hydrolyzed by human gut microbiota in vitro. <i>Molecular Nutrition and Food Research</i> , 2017, 61, 1600680.	1.5	82
9	Fish oil supplemented for 9 months does not improve glycaemic control or insulin sensitivity in subjects with impaired glucose regulation: a parallel randomised controlled trial. <i>British Journal of Nutrition</i> , 2016, 115, 75-86.	1.2	21
10	Responses in gut hormones and hunger to diets with either high protein or a mixture of protein plus free amino acids supplied under weight-loss conditions. <i>British Journal of Nutrition</i> , 2015, 113, 1254-1270.	1.2	20
11	Modelling the emergent dynamics and major metabolites of the human colonic microbiota. <i>Environmental Microbiology</i> , 2015, 17, 1615-1630.	1.8	118
12	Annual variation of dietary deoxynivalenol exposure during years of different <i>Fusarium</i> prevalence: a pilot biomonitoring study. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014, 31, 1579-1585.	1.1	32
13	Oat-enriched diet reduces inflammatory status assessed by circulating cell-derived microparticle concentrations in type 2 diabetes. <i>Molecular Nutrition and Food Research</i> , 2014, 58, 1322-1332.	1.5	33
14	Glucose uptake by the brain on chronic high-protein weight-loss diets with either moderate or low amounts of carbohydrate. <i>British Journal of Nutrition</i> , 2014, 111, 586-597.	1.2	10
15	Platelet-derived microparticle count and surface molecule expression differ between subjects with and without type 2 diabetes, independently of obesity status. <i>Journal of Thrombosis and Thrombolysis</i> , 2014, 37, 455-463.	1.0	63
16	Impact of diet and individual variation on intestinal microbiota composition and fermentation products in obese men. <i>ISME Journal</i> , 2014, 8, 2218-2230.	4.4	489
17	Impact of Short Term Consumption of Diets High in Either Non-Starch Polysaccharides or Resistant Starch in Comparison with Moderate Weight Loss on Indices of Insulin Sensitivity in Subjects with Metabolic Syndrome. <i>Nutrients</i> , 2013, 5, 2144-2172.	1.7	36
18	Diet Composition Is Associated with Endogenous Formation of N-Nitroso Compounds in Obese Men. <i>Journal of Nutrition</i> , 2012, 142, 1652-1658.	1.3	15

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19	Effects of methyl-deficient diets on methionine and homocysteine metabolism in the pregnant rat. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012, 302, E1531-E1540.	1.8	9
20	Resource partitioning in relation to cohabitation of <i>Lactobacillus</i> species in the mouse forestomach. <i>ISME Journal</i> , 2012, 6, 927-938.	4.4	69
21	Phylogenetic distribution of genes encoding β -glucuronidase activity in human colonic bacteria and the impact of diet on faecal glycosidase activities. <i>Environmental Microbiology</i> , 2012, 14, 1876-1887.	1.8	97
22	Food Intake and Dietary Glycaemic Index in Free-Living Adults with and without Type 2 Diabetes Mellitus. <i>Nutrients</i> , 2011, 3, 683-693.	1.7	9
23	Rates of production and utilization of lactate by microbial communities from the human colon. <i>FEMS Microbiology Ecology</i> , 2011, 77, 107-119.	1.3	76
24	Dominant and diet-responsive groups of bacteria within the human colonic microbiota. <i>ISME Journal</i> , 2011, 5, 220-230.	4.4	1,352
25	Bayesian analysis of non-linear differential equation models with application to a gut microbial ecosystem. <i>Biometrical Journal</i> , 2011, 53, 543-556.	0.6	3
26	High-protein, reduced-carbohydrate weight-loss diets promote metabolite profiles likely to be detrimental to colonic health. <i>American Journal of Clinical Nutrition</i> , 2011, 93, 1062-1072.	2.2	589
27	Diversity of human colonic butyrate-producing bacteria revealed by analysis of the butyryl-CoA:acetate CoA-transferase gene. <i>Environmental Microbiology</i> , 2010, 12, 304-314.	1.8	599
28	Effect of inulin on the human gut microbiota: stimulation of <i>Bifidobacterium adolescentis</i> and <i>Faecalibacterium prausnitzii</i> . <i>British Journal of Nutrition</i> , 2009, 101, 541-550.	1.2	675
29	Tissue methionine cycle activity and homocysteine metabolism in female rats: impact of dietary methionine and folate plus choline. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2009, 296, E702-E713.	1.8	31
30	Fetal iron status regulates maternal iron metabolism during pregnancy in the rat. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R1063-R1070.	0.9	79
31	The species composition of the human intestinal microbiota differs between particle-associated and liquid phase communities. <i>Environmental Microbiology</i> , 2008, 10, 3275-3283.	1.8	135
32	Contribution of gut microbial lysine to liver and milk amino acids in lactating does. <i>British Journal of Nutrition</i> , 2008, 100, 977-983.	1.2	4
33	Quantitative Analysis of Microbial Metabolism in the Human Large Intestine. <i>Current Nutrition and Food Science</i> , 2008, 4, 109-126.	0.3	12
34	Reduced Dietary Intake of Carbohydrates by Obese Subjects Results in Decreased Concentrations of Butyrate and Butyrate-Producing Bacteria in Feces. <i>Applied and Environmental Microbiology</i> , 2007, 73, 1073-1078.	1.4	795
35	Impact of pH on Lactate Formation and Utilization by Human Fecal Microbial Communities. <i>Applied and Environmental Microbiology</i> , 2007, 73, 6526-6533.	1.4	182
36	Effect of dietary copper deficiency on iron metabolism in the pregnant rat. <i>British Journal of Nutrition</i> , 2007, 97, 239-246.	1.2	40

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37	Impact of high-protein diets with either moderate or low carbohydrate on weight loss, body composition, blood pressure and glucose tolerance in rats. <i>British Journal of Nutrition</i> , 2007, 97, 1099-1108.	1.2	22
38	Selective colonization of insoluble substrates by human faecal bacteria. <i>Environmental Microbiology</i> , 2007, 9, 667-679.	1.8	238
39	Maternal Iron Deficiency Identifies Critical Windows for Growth and Cardiovascular Development in the Rat Postimplantation Embryo 1. <i>Journal of Nutrition</i> , 2006, 136, 1171-1177.	1.3	62
40	Two Routes of Metabolic Cross-Feeding between <i>Bifidobacterium adolescentis</i> and Butyrate-Producing Anaerobes from the Human Gut. <i>Applied and Environmental Microbiology</i> , 2006, 72, 3593-3599.	1.4	687
41	Contribution of acetate to butyrate formation by human faecal bacteria. <i>British Journal of Nutrition</i> , 2004, 91, 915-923.	1.2	371
42	Modelling transport of amino acids into the red blood cells of sheep. <i>Journal of Agricultural Science</i> , 2004, 142, 577-588.	0.6	9
43	Effect of feed intake on amino acid transfers across the ovine hindquarters. <i>British Journal of Nutrition</i> , 2003, 89, 167-179.	1.2	11
44	Iron deficiency during pregnancy affects postnatal blood pressure in the rat. <i>Journal of Physiology</i> , 2003, 552, 603-610.	1.3	153
45	Effect of Dietary Fiber on Endogenous Nitrogen Flows in Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 2002, 85, 3013-3025.	1.4	55
46	Practical Use of MCMC Methods: Lessons from a Case Study. <i>Biometrical Journal</i> , 2002, 44, 433.	0.6	16
47	Effect of feed intake on ovine hindlimb protein metabolism based on thirteen amino acids and arterio-venous techniques. <i>British Journal of Nutrition</i> , 2001, 86, 577-585.	1.2	14
48	Modelling the size selectivities of a trawl codend and an associated square mesh panel. <i>ICES Journal of Marine Science</i> , 2001, 58, 657-671.	1.2	45