

Steven Aalvink

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

3,461
citations

394421

19
h-index

580821

25
g-index

28
all docs

28
docs citations

28
times ranked

5285
citing authors

#	ARTICLE	IF	CITATIONS
1	A purified membrane protein from <i>Akkermansia muciniphila</i> or the pasteurized bacterium improves metabolism in obese and diabetic mice. <i>Nature Medicine</i> , 2017, 23, 107-113.	30.7	1,451
2	Pili-like proteins of <i>Akkermansia muciniphila</i> modulate host immune responses and gut barrier function. <i>PLoS ONE</i> , 2017, 12, e0173004.	2.5	340
3	Microbial Metabolic Networks at the Mucus Layer Lead to Diet-Independent Butyrate and Vitamin B ₁₂ Production by Intestinal Symbionts. <i>MBio</i> , 2017, 8, .	4.1	269
4	Action and function of <i>Akkermansia muciniphila</i> in microbiome ecology, health and disease. <i>Bailliere's Best Practice and Research in Clinical Gastroenterology</i> , 2017, 31, 637-642.	2.4	191
5	Distinct fecal and oral microbiota composition in human type 1 diabetes, an observational study. <i>PLoS ONE</i> , 2017, 12, e0188475.	2.5	163
6	Microbial shifts and signatures of long-term remission in ulcerative colitis after faecal microbiota transplantation. <i>ISME Journal</i> , 2017, 11, 1877-1889.	9.8	157
7	<i>Akkermansia muciniphila</i> ameliorates the age-related decline in colonic mucus thickness and attenuates immune activation in accelerated aging <i>Ercc1^{+/+}/7</i> mice. <i>Immunity and Ageing</i> , 2019, 16, 6.	4.2	130
8	<i>Akkermansia muciniphila</i> uses human milk oligosaccharides to thrive in the early life conditions in vitro. <i>Scientific Reports</i> , 2020, 10, 14330.	3.3	96
9	Deciphering the trophic interaction between <i>Akkermansia muciniphila</i> and the butyrogenic gut commensal <i>Anaerostipes caccae</i> using a metatranscriptomic approach. <i>Antonie Van Leeuwenhoek</i> , 2018, 111, 859-873.	1.7	90
10	Reclassification of <i>Eubacterium hallii</i> as <i>Anaerobutyricum hallii</i> gen. nov., comb. nov., and description of <i>Anaerobutyricum soehngenii</i> sp. nov., a butyrate and propionate-producing bacterium from infant faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2018, 68, 3741-3746.	1.7	77
11	Antibiotics-induced monodominance of a novel gut bacterial order. <i>Gut</i> , 2019, 68, 1781-1790.	12.1	73
12	<i>Akkermansia glycaniphila</i> sp. nov., an anaerobic mucin-degrading bacterium isolated from reticulated python faeces. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2016, 66, 4614-4620.	1.7	68
13	Model-driven design of a minimal medium for <i>Akkermansia muciniphila</i> confirms mucus adaptation. <i>Microbial Biotechnology</i> , 2018, 11, 476-485.	4.2	57
14	Treatment with <i>Anaerobutyricum soehngenii</i> : a pilot study of safety and dose-response effects on glucose metabolism in human subjects with metabolic syndrome. <i>Npj Biofilms and Microbiomes</i> , 2020, 6, 16.	6.4	53
15	Intestinal <i>Ralstonia pickettii</i> augments glucose intolerance in obesity. <i>PLoS ONE</i> , 2017, 12, e0181693.	2.5	53
16	Development of omics-based protocols for the microbiological characterization of multi-strain formulations marketed as probiotics: the case of VSL#3. <i>Microbial Biotechnology</i> , 2019, 12, 1371-1386.	4.2	30
17	<i>Bacteroides thetaiotaomicron</i> Fosters the Growth of Butyrate-Producing <i>Anaerostipes caccae</i> in the Presence of Lactose and Total Human Milk Carbohydrates. <i>Microorganisms</i> , 2020, 8, 1513.	3.6	26
18	Growth rate alterations of human colorectal cancer cells by 157 gut bacteria. <i>Gut Microbes</i> , 2020, 12, 1799733.	9.8	26

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19	Inter-species Metabolic Interactions in an In-vitro Minimal Human Gut Microbiome of Core Bacteria. <i>Npj Biofilms and Microbiomes</i> , 2022, 8, 21.	6.4	26
20	<i>Trichococcus shcherbakoviae</i> sp. nov., isolated from a laboratory-scale anaerobic EGSB bioreactor operated at low temperature. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 69, 529-534.	1.7	23
21	Duodenal <i>Anaerobutyricum soehngenii</i> infusion stimulates GLP-1 production, ameliorates glycaemic control and beneficially shapes the duodenal transcriptome in metabolic syndrome subjects: a randomised double-blind placebo-controlled cross-over study. <i>Gut</i> , 2021, , gutinl-2020-323297.	12.1	16
22	A Continuous Battle for Host-Derived Glycans Between a Mucus Specialist and a Glycan Generalist in vitro and in vivo. <i>Frontiers in Microbiology</i> , 2021, 12, 632454.	3.5	15
23	Production of inactivated gram-positive and gram-negative species with preserved cellular morphology and integrity. <i>Journal of Microbiological Methods</i> , 2021, 184, 106208.	1.6	12
24	Genomic convergence between <i>Akkermansia muciniphila</i> in different mammalian hosts. <i>BMC Microbiology</i> , 2021, 21, 298.	3.3	10
25	Selection and characterization of a SpaCBA pilus-secreting food-grade derivative of <i>Lactocaseibacillus rhamnosus</i> GG. <i>Applied Microbiology and Biotechnology</i> , 2021, 105, 1123-1131.	3.6	4