

Tine Rask Licht

List of Publications by Citations

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101
papers

5,380
citations

42
h-index

72
g-index

104
ext. papers

6,852
ext. citations

7.2
avg, IF

5.98
L-index

#	Paper	IF	Citations
101	Microbial tryptophan catabolites in health and disease. <i>Nature Communications</i> , 2018 , 9, 3294	17.4	532
100	A catalog of the mouse gut metagenome. <i>Nature Biotechnology</i> , 2015 , 33, 1103-8	44.5	295
99	Establishment of intestinal microbiota during early life: a longitudinal, explorative study of a large cohort of Danish infants. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 2889-900	4.8	289
98	Colonic transit time is related to bacterial metabolism and mucosal turnover in the gut. <i>Nature Microbiology</i> , 2016 , 1, 16093	26.6	204
97	Choice of bacterial DNA extraction method from fecal material influences community structure as evaluated by metagenomic analysis. <i>Microbiome</i> , 2014 , 2, 19	16.6	167
96	Aberrant intestinal microbiota in individuals with prediabetes. <i>Diabetologia</i> , 2018 , 61, 810-820	10.3	163
95	Whole grain-rich diet reduces body weight and systemic low-grade inflammation without inducing major changes of the gut microbiome: a randomised cross-over trial. <i>Gut</i> , 2019 , 68, 83-93	19.2	162
94	Freezing fecal samples prior to DNA extraction affects the Firmicutes to Bacteroidetes ratio determined by downstream quantitative PCR analysis. <i>FEMS Microbiology Letters</i> , 2012 , 329, 193-7	2.9	155
93	Plasmid transfer in the animal intestine and other dynamic bacterial populations: the role of community structure and environment. <i>Microbiology (United Kingdom)</i> , 1999 , 145 (Pt 9), 2615-2622	2.9	128
92	Antibiotic Treatment Affects Intestinal Permeability and Gut Microbial Composition in Wistar Rats Dependent on Antibiotic Class. <i>PLoS ONE</i> , 2015 , 10, e0144854	3.7	123
91	Infant Gut Microbiota Development Is Driven by Transition to Family Foods Independent of Maternal Obesity. <i>MSphere</i> , 2016 , 1,	5	118
90	Intake of whole apples or clear apple juice has contrasting effects on plasma lipids in healthy volunteers. <i>European Journal of Nutrition</i> , 2013 , 52, 1875-89	5.2	103
89	Microbial enterotypes, inferred by the prevotella-to-bacteroides ratio, remained stable during a 6-month randomized controlled diet intervention with the new nordic diet. <i>Applied and Environmental Microbiology</i> , 2014 , 80, 1142-9	4.8	101
88	Qualified presumption of safety (QPS): a generic risk assessment approach for biological agents notified to the European Food Safety Authority (EFSA). <i>Trends in Food Science and Technology</i> , 2010 , 21, 425-435	15.3	99
87	Transfer of gut microbiota from lean and obese mice to antibiotic-treated mice. <i>Scientific Reports</i> , 2014 , 4, 5922	4.9	93
86	First Foods and Gut Microbes. <i>Frontiers in Microbiology</i> , 2017 , 8, 356	5.7	93
85	Selective pressure affects transfer and establishment of a <i>Lactobacillus plantarum</i> resistance plasmid in the gastrointestinal environment. <i>Journal of Antimicrobial Chemotherapy</i> , 2008 , 61, 845-52	5.1	82

84	High-fat feeding rather than obesity drives taxonomical and functional changes in the gut microbiota in mice. <i>Microbiome</i> , 2017 , 5, 43	16.6	77
83	Effects of apples and specific apple components on the cecal environment of conventional rats: role of apple pectin. <i>BMC Microbiology</i> , 2010 , 10, 13	4.5	75
82	Effects of <i>Lactococcus lactis</i> on composition of intestinal microbiota: role of nisin. <i>Applied and Environmental Microbiology</i> , 2006 , 72, 239-44	4.8	72
81	Tailored enzymatic production of oligosaccharides from sugar beet pectin and evidence of differential effects of a single DP chain length difference on human faecal microbiota composition after in vitro fermentation. <i>Process Biochemistry</i> , 2011 , 46, 1039-1049	4.8	71
80	Differential bacterial capture and transport preferences facilitate co-growth on dietary xylan in the human gut. <i>Nature Microbiology</i> , 2018 , 3, 570-580	26.6	70
79	Having older siblings is associated with gut microbiota development during early childhood. <i>BMC Microbiology</i> , 2015 , 15, 154	4.5	69
78	A low-gluten diet induces changes in the intestinal microbiome of healthy Danish adults. <i>Nature Communications</i> , 2018 , 9, 4630	17.4	69
77	Glyphosate has limited short-term effects on commensal bacterial community composition in the gut environment due to sufficient aromatic amino acid levels. <i>Environmental Pollution</i> , 2018 , 233, 364-376	2.3	66
76	Dietary xylooligosaccharide downregulates IFN- γ and the low-grade inflammatory cytokine IL-1 β systemically in mice. <i>Journal of Nutrition</i> , 2013 , 143, 533-40	4.1	64
75	Effect of Antibiotics on Gut Microbiota, Gut Hormones and Glucose Metabolism. <i>PLoS ONE</i> , 2015 , 10, e0142352	3.7	61
74	Introducing GUT low-density array (GULDA): a validated approach for qPCR-based intestinal microbial community analysis. <i>FEMS Microbiology Letters</i> , 2012 , 337, 38-47	2.9	61
73	Maximal release of highly bifidogenic soluble dietary fibers from industrial potato pulp by minimal enzymatic treatment. <i>Applied Microbiology and Biotechnology</i> , 2011 , 90, 873-84	5.7	60
72	Plasmid transfer from <i>Pseudomonas putida</i> to the indigenous bacteria on alfalfa sprouts: characterization, direct quantification, and in situ location of transconjugant cells. <i>Applied and Environmental Microbiology</i> , 2003 , 69, 5536-42	4.8	57
71	Feruloylated and nonferuloylated arabino-oligosaccharides from sugar beet pectin selectively stimulate the growth of <i>Bifidobacterium</i> spp. in human fecal in vitro fermentations. <i>Journal of Agricultural and Food Chemistry</i> , 2011 , 59, 6511-9	5.7	56
70	In vitro fermentation of sugar beet arabino-oligosaccharides by fecal microbiota obtained from patients with ulcerative colitis to selectively stimulate the growth of <i>Bifidobacterium</i> spp. and <i>Lactobacillus</i> spp. <i>Applied and Environmental Microbiology</i> , 2011 , 77, 8336-44	4.8	55
69	Some putative prebiotics increase the severity of <i>Salmonella enterica</i> serovar Typhimurium infection in mice. <i>BMC Microbiology</i> , 2009 , 9, 245	4.5	53
68	<i>Klebsiella pneumoniae</i> capsule expression is necessary for colonization of large intestines of streptomycin-treated mice. <i>Infection and Immunity</i> , 1999 , 67, 6152-6	3.7	53
67	Dietary xylo-oligosaccharide stimulates intestinal bifidobacteria and lactobacilli but has limited effect on intestinal integrity in rats. <i>BMC Research Notes</i> , 2014 , 7, 660	2.3	51

66	Effect of tetracycline on transfer and establishment of the tetracycline-inducible conjugative transposon Tn916 in the guts of gnotobiotic rats. <i>Applied and Environmental Microbiology</i> , 2004 , 70, 758-64	4.8	50
65	Fatty acid composition and phospholipid types used in infant formulas modifies the establishment of human gut bacteria in germ-free mice. <i>Scientific Reports</i> , 2017 , 7, 3975	4.9	49
64	Characterization of transferable tetracycline resistance genes in <i>Enterococcus faecalis</i> isolated from raw food. <i>FEMS Microbiology Letters</i> , 2005 , 243, 15-9	2.9	49
63	Dietary carbohydrate source influences molecular fingerprints of the rat faecal microbiota. <i>BMC Microbiology</i> , 2006 , 6, 98	4.5	48
62	Oxygen restriction increases the infective potential of <i>Listeria monocytogenes</i> in vitro in Caco-2 cells and in vivo in guinea pigs. <i>BMC Microbiology</i> , 2007 , 7, 55	4.5	47
61	Inhibition of <i>Escherichia coli</i> precursor-16S rRNA processing by mouse intestinal contents. <i>Environmental Microbiology</i> , 1999 , 1, 23-32	5.2	44
60	Estimation of growth rates of <i>Escherichia coli</i> BJ4 in streptomycin-treated and previously germfree mice by in situ rRNA hybridization. <i>Vaccine Journal</i> , 1999 , 6, 434-6		44
59	Environmental spread of microbes impacts the development of metabolic phenotypes in mice transplanted with microbial communities from humans. <i>ISME Journal</i> , 2017 , 11, 676-690	11.9	41
58	Nature of bacterial colonization influences transcription of mucin genes in mice during the first week of life. <i>BMC Research Notes</i> , 2012 , 5, 402	2.3	39
57	Transfer of the pheromone-inducible plasmid pCF10 among <i>Enterococcus faecalis</i> microorganisms colonizing the intestine of mini-pigs. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 187-93	4.8	38
56	Administration of two probiotic strains during early childhood does not affect the endogenous gut microbiota composition despite probiotic proliferation. <i>BMC Microbiology</i> , 2017 , 17, 175	4.5	37
55	In vivo detection and quantification of tetracycline by use of a whole-cell biosensor in the rat intestine. <i>Antimicrobial Agents and Chemotherapy</i> , 2004 , 48, 1112-7	5.9	36
54	A comparative analysis of the intestinal metagenomes present in guinea pigs (<i>Cavia porcellus</i>) and humans (<i>Homo sapiens</i>). <i>BMC Genomics</i> , 2012 , 13, 514	4.5	35
53	Construction of a multiple fluorescence labelling system for use in co-invasion studies of <i>Listeria monocytogenes</i> . <i>BMC Microbiology</i> , 2006 , 6, 86	4.5	35
52	Comparison of methods and animal models commonly used for investigation of fecal microbiota: effects of time, host and gender. <i>Journal of Microbiological Methods</i> , 2006 , 66, 87-95	2.8	35
51	Effect of a long-term high-protein diet on survival, obesity development, and gut microbiota in mice. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E886-99	6	34
50	Prebiotics for prevention of gut infections. <i>Trends in Food Science and Technology</i> , 2012 , 23, 70-82	15.3	32
49	Microbiotas from UC patients display altered metabolism and reduced ability of LAB to colonize mucus. <i>Scientific Reports</i> , 2013 , 3, 1110	4.9	30

48	Conjugative Gene Transfer in the Gastrointestinal Environment. <i>Advances in Applied Microbiology</i> , 2005 , 58C, 77-95	4.9	29
47	Microbiota composition of simultaneously colonized mice housed under either a gnotobiotic isolator or individually ventilated cage regime. <i>Scientific Reports</i> , 2017 , 7, 42245	4.9	28
46	Lipid hydrolysis products affect the composition of infant gut microbial communities in vitro. <i>British Journal of Nutrition</i> , 2015 , 114, 63-74	3.6	25
45	Selection of bacteria originating from a human intestinal microbiota in the gut of previously germ-free rats. <i>FEMS Microbiology Letters</i> , 2007 , 277, 205-9	2.9	25
44	Bifidobacterium species associated with breastfeeding produce aromatic lactic acids in the infant gut. <i>Nature Microbiology</i> , 2021 , 6, 1367-1382	26.6	25
43	Xylo-oligosaccharides inhibit pathogen adhesion to enterocytes in vitro. <i>Research in Microbiology</i> , 2012 , 163, 22-7	4	24
42	Lactobacillus acidophilus induces a slow but more sustained chemokine and cytokine response in naïve foetal enterocytes compared to commensal Escherichia coli. <i>BMC Immunology</i> , 2010 , 11, 2	3.7	23
41	Certain dietary carbohydrates promote Listeria infection in a guinea pig model, while others prevent it. <i>International Journal of Food Microbiology</i> , 2010 , 140, 218-24	5.8	23
40	Lactobacillus plantarum inhibits growth of Listeria monocytogenes in an in vitro continuous flow gut model, but promotes invasion of L. monocytogenes in the gut of gnotobiotic rats. <i>International Journal of Food Microbiology</i> , 2006 , 108, 10-4	5.8	22
39	A combined metabolomic and phylogenetic study reveals putatively prebiotic effects of high molecular weight arabino-oligosaccharides when assessed by in vitro fermentation in bacterial communities derived from humans. <i>Anaerobe</i> , 2014 , 28, 68-77	2.8	21
38	Pediocin PA-1 and a pediocin producing Lactobacillus plantarum strain do not change the HMA rat microbiota. <i>International Journal of Food Microbiology</i> , 2009 , 130, 251-7	5.8	21
37	Effects of Gliadin consumption on the Intestinal Microbiota and Metabolic Homeostasis in Mice Fed a High-fat Diet. <i>Scientific Reports</i> , 2017 , 7, 44613	4.9	19
36	Comparison of three Listeria monocytogenes strains in a guinea-pig model simulating food-borne exposure. <i>FEMS Microbiology Letters</i> , 2009 , 291, 88-94	2.9	19
35	Conjugative transfer facilitates stable maintenance of IncP-1 plasmid pKJK5 in Escherichia coli cells colonizing the gastrointestinal tract of the germfree rat. <i>Applied and Environmental Microbiology</i> , 2007 , 73, 341-3	4.8	19
34	A single exposure to a sublethal pediocin concentration initiates a resistance-associated temporal cell envelope and general stress response in Listeria monocytogenes. <i>Environmental Microbiology</i> , 2015 , 17, 1134-51	5.2	18
33	Gut Colonization Is Accelerated by Presence of Older Siblings. <i>MSphere</i> , 2017 , 2,	5	18
32	A functional cra gene is required for Salmonella enterica serovar typhimurium virulence in BALB/c mice. <i>Infection and Immunity</i> , 2000 , 68, 3772-5	3.7	18
31	Human microbiota-transplanted C57BL/6 mice and offspring display reduced establishment of key bacteria and reduced immune stimulation compared to mouse microbiota-transplantation. <i>Scientific Reports</i> , 2020 , 10, 7805	4.9	17

30	Listeria monocytogenes strains encoding premature stop codons in inlA invade mice and guinea pig fetuses in orally dosed dams. <i>Journal of Medical Microbiology</i> , 2013 , 62, 1799-1806	3.2	17
29	Evidence of increased spread and establishment of plasmid RP4 in the intestine under sub-inhibitory tetracycline concentrations. <i>FEMS Microbiology Ecology</i> , 2003 , 44, 217-23	4.3	17
28	Monitoring bacterial growth activity in biofilms from laboratory flow chambers, plant rhizosphere, and animal intestine. <i>Methods in Enzymology</i> , 2001 , 337, 21-42	1.7	16
27	Lactobacillus acidophilus NCFM affects vitamin E acetate metabolism and intestinal bile acid signature in monocolonized mice. <i>Gut Microbes</i> , 2014 , 5, 296-303	8.8	15
26	Xylo-oligosaccharides and inulin affect genotoxicity and bacterial populations differently in a human colonic simulator challenged with soy protein. <i>Nutrients</i> , 2013 , 5, 3740-56	6.7	14
25	In vitro growth of four individual human gut bacteria on oligosaccharides produced by chemoenzymatic synthesis. <i>Food and Function</i> , 2013 , 4, 784-93	6.1	13
24	Impact of the gut microbiota on chemical risk assessment. <i>Current Opinion in Toxicology</i> , 2019 , 15, 109-114	11.4	13
23	Breastmilk-promoted bifidobacteria produce aromatic amino acids in the infant gut		12
22	Short-Term Amoxicillin-Induced Perturbation of the Gut Microbiota Promotes Acute Intestinal Immune Regulation in Brown Norway Rats. <i>Frontiers in Microbiology</i> , 2020 , 11, 496	5.7	11
21	Metabolic footprint of Lactobacillus acidophilus NCFM at different pH. <i>Metabolomics</i> , 2012 , 8, 244-252	4.7	10
20	Intestinal Enterococcus abundance correlates inversely with excessive weight gain and increased plasma leptin in breastfed infants. <i>FEMS Microbiology Ecology</i> , 2020 , 96,	4.3	9
19	Determining Gut Microbial Dysbiosis: a Review of Applied Indexes for Assessment of Intestinal Microbiota Imbalances. <i>Applied and Environmental Microbiology</i> , 2021 , 87,	4.8	9
18	Neonatal microbial colonization in mice promotes prolonged dominance of CD11b(+)Gr-1(+) cells and accelerated establishment of the CD4(+) T cell population in the spleen. <i>Immunity, Inflammation and Disease</i> , 2015 , 3, 309-20	2.4	8
17	Settlers of our inner surface - factors shaping the gut microbiota from birth to toddlerhood. <i>FEMS Microbiology Reviews</i> , 2021 , 45,	15.1	8
16	Antibiotic treatment of rat dams affects bacterial colonization and causes decreased weight gain in pups. <i>Communications Biology</i> , 2018 , 1, 145	6.7	8
15	Effect of pheromone induction on transfer of the Enterococcus faecalis plasmid pCF10 in intestinal mucus ex vivo. <i>FEMS Microbiology Letters</i> , 2001 , 204, 305-9	2.9	6
14	Colon-Specific Delivery of Bioactive Agents Using Genipin-Cross-Linked Chitosan Coated Microcontainers. <i>ACS Applied Bio Materials</i> , 2021 , 4, 752-762	4.1	6
13	Maternal milk microbiota and oligosaccharides contribute to the infant gut microbiota assembly. <i>ISME Communications</i> , 2021 , 1,		5

12	Multi-layer PLGA-pullulan-PLGA electrospun nanofibers for probiotic delivery. <i>Food Hydrocolloids</i> , 2022 , 123, 107112	10.6	4
11	Faecal microbiota transplantation for eradication of co-infection with and extensively drug-resistant KPC-producing. <i>Scandinavian Journal of Gastroenterology</i> , 2020 , 55, 626-630	2.4	3
10	Effect of the vitamin B12-binding protein haptocorrin present in human milk on a panel of commensal and pathogenic bacteria. <i>BMC Research Notes</i> , 2011 , 4, 208	2.3	3
9	Data integration for prediction of weight loss in randomized controlled dietary trials. <i>Scientific Reports</i> , 2020 , 10, 20103	4.9	2
8	Partially Hydrolysed Whey Has Superior Allergy Preventive Capacity Compared to Intact Whey Regardless of Amoxicillin Administration in Brown Norway Rats. <i>Frontiers in Immunology</i> , 2021 , 12, 705543	8.4	2
7	Amoxicillin does not affect the development of cow's milk allergy in a Brown Norway rat model. <i>Scandinavian Journal of Immunology</i> , 2022 , e13148	3.4	1
6	The intestinal microbiome is a co-determinant of the postprandial plasma glucose response. <i>PLoS ONE</i> , 2020 , 15, e0238648	3.7	1
5	Casein glycomacropeptide is well tolerated in healthy adults and changes neither high-sensitive C-reactive protein, gut microbiota nor faecal butyrate: a restricted randomised trial. <i>British Journal of Nutrition</i> , 2021 , 125, 1374-1385	3.6	1
4	Optimizing oral delivery of next generation probiotics. <i>Trends in Food Science and Technology</i> , 2022 , 119, 101-109	15.3	0
3	Inter-microbial relations shape the preterm gut. <i>Nature Microbiology</i> , 2021 , 6, 423-424	26.6	
2	Systems-wide effects of short-term feed deprivation in obese mice. <i>Scientific Reports</i> , 2021 , 11, 5716	4.9	
1	Amendments: Author Correction: A catalog of the mouse gut metagenome. <i>Nature Biotechnology</i> , 2019 , 37, 102	44.5	