

Lukasz Krych

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

86

papers

2,336

citations

26

h-index

46

g-index

90

ext. papers

3,091

ext. citations

4.8

avg, IF

4.96

L-index

#	Paper	IF	Citations
86	Early life treatment with vancomycin propagates <i>Akkermansia muciniphila</i> and reduces diabetes incidence in the NOD mouse. <i>Diabetologia</i> , 2012 , 55, 2285-94	10.3	337
85	Gut microbiota composition is correlated to grid floor induced stress and behavior in the BALB/c mouse. <i>PLoS ONE</i> , 2012 , 7, e46231	3.7	181
84	Quantitatively different, yet qualitatively alike: a meta-analysis of the mouse core gut microbiome with a view towards the human gut microbiome. <i>PLoS ONE</i> , 2013 , 8, e62578	3.7	136
83	A possible link between food and mood: dietary impact on gut microbiota and behavior in BALB/c mice. <i>PLoS ONE</i> , 2014 , 9, e103398	3.7	103
82	Potential of Pectins to Beneficially Modulate the Gut Microbiota Depends on Their Structural Properties. <i>Frontiers in Microbiology</i> , 2019 , 10, 223	5.7	89
81	Gut microbial markers are associated with diabetes onset, regulatory imbalance, and IFN- γ level in NOD mice. <i>Gut Microbes</i> , 2015 , 6, 101-9	8.8	88
80	Understanding the prebiotic potential of different dietary fibers using an in vitro continuous adult fermentation model (PolyFermS). <i>Scientific Reports</i> , 2018 , 8, 4318	4.9	81
79	A maternal gluten-free diet reduces inflammation and diabetes incidence in the offspring of NOD mice. <i>Diabetes</i> , 2014 , 63, 2821-32	0.9	78
78	Mode of delivery shapes gut colonization pattern and modulates regulatory immunity in mice. <i>Journal of Immunology</i> , 2014 , 193, 1213-22	5.3	63
77	Early gradual feeding with bovine colostrum improves gut function and NEC resistance relative to infant formula in preterm pigs. <i>American Journal of Physiology - Renal Physiology</i> , 2015 , 309, G310-23	5.1	59
76	Characterization of the gut microbiota in leptin deficient obese mice - Correlation to inflammatory and diabetic parameters. <i>Research in Veterinary Science</i> , 2014 , 96, 241-50	2.5	58
75	Beyond genetics. Influence of dietary factors and gut microbiota on type 1 diabetes. <i>FEBS Letters</i> , 2014 , 588, 4234-43	3.8	55
74	Impact of the gut microbiota on rodent models of human disease. <i>World Journal of Gastroenterology</i> , 2014 , 20, 17727-36	5.6	55
73	Have you tried spermine? A rapid and cost-effective method to eliminate dextran sodium sulfate inhibition of PCR and RT-PCR. <i>Journal of Microbiological Methods</i> , 2018 , 144, 1-7	2.8	47
72	Investigating the long-term effect of subchronic phencyclidine-treatment on novel object recognition and the association between the gut microbiota and behavior in the animal model of schizophrenia. <i>Physiology and Behavior</i> , 2015 , 141, 32-9	3.5	43
71	Gut microbiota regulates NKG2D ligand expression on intestinal epithelial cells. <i>European Journal of Immunology</i> , 2013 , 43, 447-57	6.1	41
70	A polyphenol-enriched diet and <i>Ascaris suum</i> infection modulate mucosal immune responses and gut microbiota composition in pigs. <i>PLoS ONE</i> , 2017 , 12, e0186546	3.7	39

69	Prebiotic Effect of Lycopene and Dark Chocolate on Gut Microbiome with Systemic Changes in Liver Metabolism, Skeletal Muscles and Skin in Moderately Obese Persons. <i>BioMed Research International</i> , 2019 , 2019, 4625279	3	37
68	Sensitivity to oxazolone induced dermatitis is transferable with gut microbiota in mice. <i>Scientific Reports</i> , 2017 , 7, 44385	4.9	36
67	Prevotella Abundance Predicts Weight Loss Success in Healthy, Overweight Adults Consuming a Whole-Grain Diet Ad Libitum: A Post Hoc Analysis of a 6-Wk Randomized Controlled Trial. <i>Journal of Nutrition</i> , 2019 , 149, 2174-2181	4.1	35
66	Dietary cinnamaldehyde enhances acquisition of specific antibodies following helminth infection in pigs. <i>Veterinary Immunology and Immunopathology</i> , 2017 , 189, 43-52	2	35
65	Lacto-fermented sauerkraut improves symptoms in IBS patients independent of product pasteurisation - a pilot study. <i>Food and Function</i> , 2018 , 9, 5323-5335	6.1	32
64	Whole-Grain Rye and Wheat Affect Some Markers of Gut Health without Altering the Fecal Microbiota in Healthy Overweight Adults: A 6-Week Randomized Trial. <i>Journal of Nutrition</i> , 2017 , 147, 2067-2075	4.1	30
63	Targeting gut microbiota and barrier function with prebiotics to alleviate autoimmune manifestations in NOD mice. <i>Diabetologia</i> , 2019 , 62, 1689-1700	10.3	29
62	Cheese brines from Danish dairies reveal a complex microbiota comprising several halotolerant bacteria and yeasts. <i>International Journal of Food Microbiology</i> , 2018 , 285, 173-187	5.8	28
61	Phytase-producing capacity of yeasts isolated from traditional African fermented food products and PHYPK gene expression of <i>Pichia kudriavzevii</i> strains. <i>International Journal of Food Microbiology</i> , 2015 , 205, 81-9	5.8	26
60	Synbiotic <i>Lactobacillus acidophilus</i> NCFM and cellobiose does not affect human gut bacterial diversity but increases abundance of lactobacilli, bifidobacteria and branched-chain fatty acids: a randomized, double-blinded cross-over trial. <i>FEMS Microbiology Ecology</i> , 2014 , 90, 225-36	4.3	26
59	Introducing enteral feeding induces intestinal subclinical inflammation and respective chromatin changes in preterm pigs. <i>Epigenomics</i> , 2015 , 7, 553-65	4.4	25
58	A Review of Applied Aspects of Dealing with Gut Microbiota Impact on Rodent Models. <i>ILAR Journal</i> , 2015 , 56, 250-64	1.7	22
57	Linking cocoa varieties and microbial diversity of Nicaraguan fine cocoa bean fermentations and their impact on final cocoa quality appreciation. <i>International Journal of Food Microbiology</i> , 2019 , 304, 106-118	5.8	21
56	Cesarean Section Induces Microbiota-Regulated Immune Disturbances in C57BL/6 Mice. <i>Journal of Immunology</i> , 2019 , 202, 142-150	5.3	21
55	Provision of Amniotic Fluid During Parenteral Nutrition Increases Weight Gain With Limited Effects on Gut Structure, Function, Immunity, and Microbiology in Newborn Preterm Pigs. <i>Journal of Parenteral and Enteral Nutrition</i> , 2016 , 40, 552-66	4.2	19
54	TL1A regulates TCR β intraepithelial lymphocytes and gut microbial composition. <i>European Journal of Immunology</i> , 2015 , 45, 865-75	6.1	19
53	Fermentation of African kale (<i>Brassica carinata</i>) using <i>L. plantarum</i> BFE 5092 and <i>L. fermentum</i> BFE 6620 starter strains. <i>International Journal of Food Microbiology</i> , 2016 , 238, 103-112	5.8	18
52	Minimal short-term effect of dietary 2Rfucosyllactose on bacterial colonisation, intestinal function and necrotising enterocolitis in preterm pigs. <i>British Journal of Nutrition</i> , 2016 , 116, 834-41	3.6	17

51	Impact of Early Exposure to Cefuroxime on the Composition of the Gut Microbiota in Infants Following Cesarean Delivery. <i>Journal of Pediatrics</i> , 2019 , 210, 99-105.e2	3.6	16
50	Physical fitness in community-dwelling older adults is linked to dietary intake, gut microbiota, and metabolomic signatures. <i>Aging Cell</i> , 2020 , 19, e13105	9.9	16
49	Gastrointestinal toxicity during induction treatment for childhood acute lymphoblastic leukemia: The impact of the gut microbiota. <i>International Journal of Cancer</i> , 2020 , 147, 1953-1962	7.5	15
48	Restitution of gut microbiota in Ugandan children administered with probiotics (GG and subsp. BB-12) during treatment for severe acute malnutrition. <i>Gut Microbes</i> , 2020 , 11, 855-867	8.8	14
47	Long-term Western diet fed apolipoprotein E-deficient rats exhibit only modest early atherosclerotic characteristics. <i>Scientific Reports</i> , 2018 , 8, 5416	4.9	14
46	The effect of <i>Lactobacillus paracasei</i> subsp. <i>paracasei</i> L. casei W8 on blood levels of triacylglycerol is independent of colonisation. <i>Beneficial Microbes</i> , 2015 , 6, 263-9	4.9	13
45	Metagenomic Analysis of Dairy Bacteriophages: Extraction Method and Pilot Study on Whey Samples Derived from Using Undefined and Defined Mesophilic Starter Cultures. <i>Applied and Environmental Microbiology</i> , 2017 , 83,	4.8	13
44	A high-throughput qPCR system for simultaneous quantitative detection of dairy <i>Lactococcus lactis</i> and <i>Leuconostoc</i> bacteriophages. <i>PLoS ONE</i> , 2017 , 12, e0174223	3.7	13
43	C57BL/6J substrain differences in response to high-fat diet intervention. <i>Scientific Reports</i> , 2020 , 10, 14052	4.9	13
42	Treatment with a Monoclonal Anti-IL-12p40 Antibody Induces Substantial Gut Microbiota Changes in an Experimental Colitis Model. <i>Gastroenterology Research and Practice</i> , 2016 , 2016, 4953120	2	13
41	Effect of potato fiber on survival of <i>Lactobacillus</i> species at simulated gastric conditions and composition of the gut microbiota in vitro. <i>Food Research International</i> , 2019 , 125, 108644	7	12
40	Immunological effects of reduced mucosal integrity in the early life of BALB/c mice. <i>PLoS ONE</i> , 2017 , 12, e0176662	3.7	12
39	Dietary Inulin and Infection Promote Beneficial Bacteria Throughout the Porcine Gut. <i>Frontiers in Microbiology</i> , 2020 , 11, 312	5.7	11
38	Impact of Dietary Supplementation of Fermented Rapeseed with or without Macroalgae on Performance and Health of Piglets Following Omission of Medicinal Zinc from Weaner Diets. <i>Animals</i> , 2020 , 10,	3.1	9
37	Gut microbiota recovery and immune response in ampicillin-treated mice. <i>Research in Veterinary Science</i> , 2018 , 118, 357-364	2.5	9
36	Effect of the dietary polyacetylenes falcarinol and falcarindiol on the gut microbiota composition in a rat model of colorectal cancer. <i>BMC Research Notes</i> , 2018 , 11, 411	2.3	9
35	Cesarean section increases sensitivity to oxazolone-induced colitis in C57BL/6 mice. <i>Mucosal Immunology</i> , 2019 , 12, 1348-1357	9.2	8
34	Selective inbreeding does not increase gut microbiota similarity in BALB/c mice. <i>Laboratory Animals</i> , 2012 , 46, 335-7	2.6	8

33	Colonization of <i>Cutibacterium avidum</i> during infant gut microbiota establishment. <i>FEMS Microbiology Ecology</i> , 2019 , 95,	4.3	8
32	Bacterial species to be considered in quality assurance of mice and rats. <i>Laboratory Animals</i> , 2019 , 53, 281-291	2.6	7
31	Fermentable Dietary Fiber Promotes Helminth Infection and Exacerbates Host Inflammatory Responses. <i>Journal of Immunology</i> , 2020 , 204, 3042-3055	5.3	6
30	Oral LPS Dosing Induces Local Immunological Changes in the Pancreatic Lymph Nodes in Mice. <i>Journal of Diabetes Research</i> , 2019 , 2019, 1649279	3.9	5
29	A Humanized Diet Profile May Facilitate Colonization and Immune Stimulation in Human Microbiota-Colonized Mice. <i>Frontiers in Microbiology</i> , 2020 , 11, 1336	5.7	5
28	Severe gut microbiota dysbiosis caused by malnourishment can be partly restored during 3 weeks of refeeding with fortified corn-soy-blend in a piglet model of childhood malnutrition. <i>BMC Microbiology</i> , 2019 , 19, 277	4.5	5
27	Changes in Gut Microbiota Prior to Influenza A Virus Infection Do Not Affect Immune Responses in Pups or Juvenile Mice. <i>Frontiers in Cellular and Infection Microbiology</i> , 2018 , 8, 319	5.9	5
26	Oral insulin does not alter gut microbiota composition of NOD mice. <i>Diabetes/Metabolism Research and Reviews</i> , 2018 , 34, e3010	7.5	4
25	Preterm Birth Has Effects on Gut Colonization in Piglets Within the First 4 Weeks of Life. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2019 , 68, 727-733	2.8	4
24	DNA enrichment and tagmentation method for species-level identification and strain-level differentiation using ON-rep-seq. <i>Communications Biology</i> , 2019 , 2, 369	6.7	3
23	Effect of Early-life Gut Mucosal Compromise on Disease Progression in NOD Mice. <i>Comparative Medicine</i> , 2017 , 67, 388-399	1.6	3
22	Dietary prebiotics promote intestinal <i>Prevotella</i> in association with a low-responding phenotype in a murine oxazolone-induced model of atopic dermatitis. <i>Scientific Reports</i> , 2020 , 10, 21204	4.9	3
21	TL1A Aggravates Cytokine-Induced Acute Gut Inflammation and Potentiates Infiltration of Intraepithelial Natural Killer Cells in Mice. <i>Inflammatory Bowel Diseases</i> , 2019 , 25, 510-523	4.5	3
20	The effect of early probiotic exposure on the preterm infant gut microbiome development. <i>Gut Microbes</i> , 2021 , 13, 1951113	8.8	3
19	Supplementation of a lacto-fermented rapeseed-seaweed blend promotes gut microbial- and gut immune-modulation in weaner piglets. <i>Journal of Animal Science and Biotechnology</i> , 2021 , 12, 85	6	3
18	Histamine-forming ability of <i>Lentilactobacillus parabuchneri</i> in reduced salt Cheddar cheese. <i>Food Microbiology</i> , 2021 , 98, 103789	6	3
17	IDDF2020-ABS-0174 Onset of hypertriglyceridemia in relation to dietary intake, gut microbiome and metabolomics signatures among home dwelling elderly 2020 ,		2
16	The phytonutrient cinnamaldehyde limits intestinal inflammation and enteric parasite infection. <i>Journal of Nutritional Biochemistry</i> , 2021 , 100, 108887	6.3	2

15	Gut Mycobiome Dysbiosis Is Linked to Hypertriglyceridemia among Home Dwelling Elderly Danes	2
14	Physical fitness in community dwelling older adults is linked to dietary intake, gut microbiota and metabolomic signatures	2
13	An Oligosaccharide Rich Diet Increases spp. Bacteria in the Equine Microbiota. <i>Frontiers in Microbiology</i> , 2021 , 12, 666039	5.7 2
12	Gut colonization in preterm infants supplemented with bovine colostrum in the first week of life: An explorative pilot study. <i>Journal of Parenteral and Enteral Nutrition</i> , 2021 ,	4.2 2
11	Gluten-free diet reduces autoimmune diabetes mellitus in mice across multiple generations in a microbiota-independent manner.. <i>Journal of Autoimmunity</i> , 2022 , 127, 102795	15.5 1
10	ON-rep-seq as a rapid and cost-effective alternative to whole-genome sequencing for species-level identification and strain-level discrimination of <i>Listeria monocytogenes</i> contamination in a salmon processing plant.. <i>MicrobiologyOpen</i> , 2021 , 10, e1246	3.4 1
9	Supplementation of a lacto-fermented rapeseed-seaweed blend promotes gut microbial- and gut immune-modulation in weaner piglets	1
8	Effects of delivery mode on behavior in mouse offspring. <i>Physiology and Behavior</i> , 2021 , 230, 113285	3.5 1
7	The Gut Microbiome and Abiotic Factors as Potential Determinants of Postprandial Glucose Responses: A Single-Arm Meal Study. <i>Frontiers in Nutrition</i> , 2020 , 7, 594850	6.2 1
6	Postnatal Administration of <i>Lactobacillus rhamnosus</i> HN001 Ameliorates Perinatal Broad-Spectrum Antibiotic-Induced Reduction in Myelopoiesis and T Cell Activation in Mouse Pups. <i>Molecular Nutrition and Food Research</i> , 2018 , 62, e1800510	5.9 1
5	Dietary proanthocyanidins promote localized antioxidant responses in porcine pulmonary and gastrointestinal tissues during <i>Ascaris suum</i> -induced type 2 inflammation.. <i>FASEB Journal</i> , 2022 , 36, e22256	9.9 1
4	Parasite-Probiotic Interactions in the Gut: sp. and Regulate Type-2 Inflammatory Responses and Modify the Gut Microbiota of Pigs During Helminth Infection.. <i>Frontiers in Immunology</i> , 2021 , 12, 793260	8.4 0
3	Delayed Gut Colonization Shapes Future Allergic Responses in a Murine Model of Atopic Dermatitis. <i>Frontiers in Immunology</i> , 2021 , 12, 650621	8.4 0
2	Effect of gluten-free diet and antibiotics on murine gut microbiota and immune response to tetanus vaccination.. <i>PLoS ONE</i> , 2022 , 17, e0266719	3.7 0
1	Colonic Lesions, Cytokine Profiles, and Gut Microbiota in Plasminogen-Deficient Mice. <i>Comparative Medicine</i> , 2015 , 65, 382-97	1.6