Lukasz Krych

List of Publications by Year in Descending Order

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	Gluten-free diet reduces autoimmune diabetes mellitus in mice across multiple generations in a microbiota-independent manner.. *Journal of Autoimmunity*, **2022**, 127, 102795	15.5	1
85	Dietary proanthocyanidins promote localized antioxidant responses in porcine pulmonary and gastrointestinal tissues during Ascaris suum-induced type 2 inflammation.. *FASEB Journal*, **2022**, 36, e22256	0.9	1
84	Effect of gluten-free diet and antibiotics on murine gut microbiota and immune response to tetanus vaccination.. *PLoS ONE*, **2022**, 17, e0266719	3.7	0
83	Parasite-Probiotic Interactions in the Gut: sp. and Regulate Type-2 Inflammatory Responses and Modify the Gut Microbiota of Pigs During Helminth Infection.. *Frontiers in Immunology*, **2021**, 12, 793260	8.4	0
82	ON-rep-seq as a rapid and cost-effective alternative to whole-genome sequencing for species-level identification and strain-level discrimination of Listeria monocytogenes contamination in a salmon processing plant.. *MicrobiologyOpen*, **2021**, 10, e1246	3.4	1
81	The phytonutrient cinnamaldehyde limits intestinal inflammation and enteric parasite infection. *Journal of Nutritional Biochemistry*, **2021**, 100, 108887	6.3	2
80	Effects of delivery mode on behavior in mouse offspring. *Physiology and Behavior*, **2021**, 230, 113285	3.5	1
79	Delayed Gut Colonization Shapes Future Allergic Responses in a Murine Model of Atopic Dermatitis. *Frontiers in Immunology*, **2021**, 12, 650621	8.4	0
78	An Oligosaccharide Rich Diet Increases spp. Bacteria in the Equine Microbiota. *Frontiers in Microbiology*, **2021**, 12, 666039	5.7	2
77	Gut colonization in preterm infants supplemented with bovine colostrum in the first week of life: An explorative pilot study. *Journal of Parenteral and Enteral Nutrition*, **2021**,	4.2	2
76	The effect of early probiotic exposure on the preterm infant gut microbiome development. *Gut Microbes*, **2021**, 13, 1951113	8.8	3
75	Supplementation of a lacto-fermented rapeseed-seaweed blend promotes gut microbial- and gut immune-modulation in weaner piglets. *Journal of Animal Science and Biotechnology*, **2021**, 12, 85	6	3
74	Histamine-forming ability of Lentilactobacillus parabuchneri in reduced salt Cheddar cheese. *Food Microbiology*, **2021**, 98, 103789	6	3
73	A Humanized Diet Profile May Facilitate Colonization and Immune Stimulation in Human Microbiota-Colonized Mice. *Frontiers in Microbiology*, **2020**, 11, 1336	5.7	5
72	Dietary Inulin and Infection Promote Beneficial Bacteria Throughout the Porcine Gut. *Frontiers in Microbiology*, **2020**, 11, 312	5.7	11
71	Gastrointestinal toxicity during induction treatment for childhood acute lymphoblastic leukemia: The impact of the gut microbiota. *International Journal of Cancer*, **2020**, 147, 1953-1962	7.5	15
70	Physical fitness in community-dwelling older adults is linked to dietary intake, gut microbiota, and metabolomic signatures. *Aging Cell*, **2020**, 19, e13105	9.9	16

69	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. *Animals*, **2020**, 10,	3.1	9
68	Restitution of gut microbiota in Ugandan children administered with probiotics (GG and subsp. BB-12) during treatment for severe acute malnutrition. *Gut Microbes*, **2020**, 11, 855-867	8.8	14
67	Fermentable Dietary Fiber Promotes Helminth Infection and Exacerbates Host Inflammatory Responses. *Journal of Immunology*, **2020**, 204, 3042-3055	5.3	6
66	IDDF2020-ABS-0174 Onset of hypertriglyceridemia in relation to dietary intake, gut microbiome and metabolomics signatures among home dwelling elderly **2020**,		2
65	C57BL/6J substrain differences in response to high-fat diet intervention. *Scientific Reports*, **2020**, 10, 14052	4.9	13
64	Dietary prebiotics promote intestinal Prevotella in association with a low-responding phenotype in a murine oxazolone-induced model of atopic dermatitis. *Scientific Reports*, **2020**, 10, 21204	4.9	3
63	The Gut Microbiome and Abiotic Factors as Potential Determinants of Postprandial Glucose Responses: A Single-Arm Meal Study. *Frontiers in Nutrition*, **2020**, 7, 594850	6.2	1
62	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. *Journal of Nutrition*, **2019**, 149, 2174-2181	4.1	35
61	Effect of potato fiber on survival of Lactobacillus species at simulated gastric conditions and composition of the gut microbiota in vitro. *Food Research International*, **2019**, 125, 108644	7	12
60	Cesarean section increases sensitivity to oxazolone-induced colitis in C57BL/6 mice. *Mucosal Immunology*, **2019**, 12, 1348-1357	9.2	8
59	Linking cocoa varietals and microbial diversity of Nicaraguan fine cocoa bean fermentations and their impact on final cocoa quality appreciation. *International Journal of Food Microbiology*, **2019**, 304, 106-118	5.8	21
58	Targeting gut microbiota and barrier function with prebiotics to alleviate autoimmune manifestations in NOD mice. *Diabetologia*, **2019**, 62, 1689-1700	10.3	29
57	Bacterial species to be considered in quality assurance of mice and rats. *Laboratory Animals*, **2019**, 53, 281-291	2.6	7
56	Impact of Early Exposure to Cefuroxime on the Composition of the Gut Microbiota in Infants Following Cesarean Delivery. *Journal of Pediatrics*, **2019**, 210, 99-105.e2	3.6	16
55	Potential of Pectins to Beneficially Modulate the Gut Microbiota Depends on Their Structural Properties. *Frontiers in Microbiology*, **2019**, 10, 223	5.7	89
54	Oral LPS Dosing Induces Local Immunological Changes in the Pancreatic Lymph Nodes in Mice. *Journal of Diabetes Research*, **2019**, 2019, 1649279	3.9	5
53	Prebiotic Effect of Lycopene and Dark Chocolate on Gut Microbiome with Systemic Changes in Liver Metabolism, Skeletal Muscles and Skin in Moderately Obese Persons. *BioMed Research International*, **2019**, 2019, 4625279	3	37
52	DNA enrichment and tagmentation method for species-level identification and strain-level differentiation using ON-rep-seq. *Communications Biology*, **2019**, 2, 369	6.7	3

51	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. *BMC Microbiology*, **2019**, 19, 277	4.5	5
50	Preterm Birth Has Effects on Gut Colonization in Piglets Within the First 4 Weeks of Life. *Journal of Pediatric Gastroenterology and Nutrition*, **2019**, 68, 727-733	2.8	4
49	TL1A Aggravates Cytokine-Induced Acute Gut Inflammation and Potentiates Infiltration of Intraepithelial Natural Killer Cells in Mice. *Inflammatory Bowel Diseases*, **2019**, 25, 510-523	4.5	3
48	Cesarean Section Induces Microbiota-Regulated Immune Disturbances in C57BL/6 Mice. *Journal of Immunology*, **2019**, 202, 142-150	5.3	21
47	Colonization of Cutibacterium avidum during infant gut microbiota establishment. *FEMS Microbiology Ecology*, **2019**, 95,	4.3	8
46	Long-term Western diet fed apolipoprotein E-deficient rats exhibit only modest early atherosclerotic characteristics. *Scientific Reports*, **2018**, 8, 5416	4.9	14
45	Oral insulin does not alter gut microbiota composition of NOD mice. *Diabetes/Metabolism Research and Reviews*, **2018**, 34, e3010	7.5	4
44	Gut microbiota recovery and immune response in ampicillin-treated mice. *Research in Veterinary Science*, **2018**, 118, 357-364	2.5	9
43	Understanding the prebiotic potential of different dietary fibers using an in vitro continuous adult fermentation model (PolyFermS). *Scientific Reports*, **2018**, 8, 4318	4.9	81
42	Effect of the dietary polyacetylenes falcarinol and falcarindiol on the gut microbiota composition in a rat model of colorectal cancer. *BMC Research Notes*, **2018**, 11, 411	2.3	9
41	Have you tried spermine? A rapid and cost-effective method to eliminate dextran sodium sulfate inhibition of PCR and RT-PCR. *Journal of Microbiological Methods*, **2018**, 144, 1-7	2.8	47
40	Changes in Gut Microbiota Prior to Influenza A Virus Infection Do Not Affect Immune Responses in Pups or Juvenile Mice. *Frontiers in Cellular and Infection Microbiology*, **2018**, 8, 319	5.9	5
39	Lacto-fermented sauerkraut improves symptoms in IBS patients independent of product pasteurisation - a pilot study. *Food and Function*, **2018**, 9, 5323-5335	6.1	32
38	Postnatal Administration of Lactobacillus rhamnosus HN001 Ameliorates Perinatal Broad-Spectrum Antibiotic-Induced Reduction in Myelopoiesis and T Cell Activation in Mouse Pups. *Molecular Nutrition and Food Research*, **2018**, 62, e1800510	5.9	1
37	Cheese brines from Danish dairies reveal a complex microbiota comprising several halotolerant bacteria and yeasts. *International Journal of Food Microbiology*, **2018**, 285, 173-187	5.8	28
36	Sensitivity to oxazolone induced dermatitis is transferable with gut microbiota in mice. *Scientific Reports*, **2017**, 7, 44385	4.9	36
35	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. *Journal of Nutrition*, **2017**, 147, 2067-2075	4.1	30
34	A polyphenol-enriched diet and Ascaris suum infection modulate mucosal immune responses and gut microbiota composition in pigs. *PLoS ONE*, **2017**, 12, e0186546	3.7	39

33	Metagenomic Analysis of Dairy Bacteriophages: Extraction Method and Pilot Study on Whey Samples Derived from Using Undefined and Defined Mesophilic Starter Cultures. *Applied and Environmental Microbiology*, **2017**, 83,	4.8	13
32	Dietary cinnamaldehyde enhances acquisition of specific antibodies following helminth infection in pigs. *Veterinary Immunology and Immunopathology*, **2017**, 189, 43-52	2	35
31	A high-throughput qPCR system for simultaneous quantitative detection of dairy Lactococcus lactis and Leuconostoc bacteriophages. *PLoS ONE*, **2017**, 12, e0174223	3.7	13
30	Immunological effects of reduced mucosal integrity in the early life of BALB/c mice. *PLoS ONE*, **2017**, 12, e0176662	3.7	12
29	Effect of Early-life Gut Mucosal Compromise on Disease Progression in NOD Mice. *Comparative Medicine*, **2017**, 67, 388-399	1.6	3
28	Provision of Amniotic Fluid During Parenteral Nutrition Increases Weight Gain With Limited Effects on Gut Structure, Function, Immunity, and Microbiology in Newborn Preterm Pigs. *Journal of Parenteral and Enteral Nutrition*, **2016**, 40, 552-66	4.2	19
27	Fermentation of African kale (Brassica carinata) using L. plantarum BFE 5092 and L. fermentum BFE 6620 starter strains. *International Journal of Food Microbiology*, **2016**, 238, 103-112	5.8	18
26	Minimal short-term effect of dietary 2Rfucosyllactose on bacterial colonisation, intestinal function and necrotising enterocolitis in preterm pigs. *British Journal of Nutrition*, **2016**, 116, 834-41	3.6	17
25	Treatment with a Monoclonal Anti-IL-12p40 Antibody Induces Substantial Gut Microbiota Changes in an Experimental Colitis Model. *Gastroenterology Research and Practice*, **2016**, 2016, 4953120	2	13
24	Phytase-producing capacity of yeasts isolated from traditional African fermented food products and PHYPk gene expression of Pichia kudriavzevii strains. *International Journal of Food Microbiology* , **2015**, 205, 81-9	5.8	26
23	Introducing enteral feeding induces intestinal subclinical inflammation and respective chromatin changes in preterm pigs. *Epigenomics*, **2015**, 7, 553-65	4.4	25
22	A Review of Applied Aspects of Dealing with Gut Microbiota Impact on Rodent Models. *ILAR Journal*, **2015**, 56, 250-64	1.7	22
21	The effect of Lactobacillus paracasei subsp. paracasei L. casei W8 on blood levels of triacylglycerol is independent of colonisation. *Beneficial Microbes*, **2015**, 6, 263-9	4.9	13
20	TL1A regulates TCR intraepithelial lymphocytes and gut microbial composition. *European Journal of Immunology*, **2015**, 45, 865-75	6.1	19
19	Early gradual feeding with bovine colostrum improves gut function and NEC resistance relative to infant formula in preterm pigs. *American Journal of Physiology - Renal Physiology*, **2015**, 309, G310-23	5.1	59
18	Gut microbial markers are associated with diabetes onset, regulatory imbalance, and IFN- level in NOD mice. *Gut Microbes*, **2015**, 6, 101-9	8.8	88
17	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. *Physiology and Behavior*, **2015**, 141, 32-9	3.5	43
16	Colonic Lesions, Cytokine Profiles, and Gut Microbiota in Plasminogen-Deficient Mice. *Comparative Medicine*, **2015**, 65, 382-97	1.6	

15	Beyond genetics. Influence of dietary factors and gut microbiota on type 1 diabetes. *FEBS Letters*, **2014**, 588, 4234-43	3.8	55
14	A maternal gluten-free diet reduces inflammation and diabetes incidence in the offspring of NOD mice. *Diabetes*, **2014**, 63, 2821-32	0.9	78
13	Synbiotic Lactobacillus acidophilus 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. *FEMS Microbiology Ecology*, **2014**, 90, 225-36	4.3	26
12	Characterization of the gut microbiota in leptin deficient obese mice - Correlation to inflammatory and diabetic parameters. *Research in Veterinary Science*, **2014**, 96, 241-50	2.5	58
11	Mode of delivery shapes gut colonization pattern and modulates regulatory immunity in mice. *Journal of Immunology*, **2014**, 193, 1213-22	5.3	63
10	Impact of the gut microbiota on rodent models of human disease. *World Journal of Gastroenterology*, **2014**, 20, 17727-36	5.6	55
9	A possible link between food and mood: dietary impact on gut microbiota and behavior in BALB/c mice. *PLoS ONE*, **2014**, 9, e103398	3.7	103
8	Gut microbiota regulates NKG2D ligand expression on intestinal epithelial cells. *European Journal of Immunology*, **2013**, 43, 447-57	6.1	41
7	Quantitatively different, yet qualitatively alike: a meta-analysis of the mouse core gut microbiome with a view towards the human gut microbiome. *PLoS ONE*, **2013**, 8, e62578	3.7	136
6	Selective inbreeding does not increase gut microbiota similarity in BALB/c mice. *Laboratory Animals* , **2012**, 46, 335-7	2.6	8
5	Early life treatment with vancomycin propagates Akkermansia muciniphila and reduces diabetes incidence in the NOD mouse. *Diabetologia*, **2012**, 55, 2285-94	10.3	337
4	Gut microbiota composition is correlated to grid floor induced stress and behavior in the BALB/c mouse. *PLoS ONE*, **2012**, 7, e46231	3.7	181
3	Gut Mycobiome Dysbiosis Is Linked to Hypertriglyceridemia among Home Dwelling Elderly Danes		2
2	Supplementation of a lacto-fermented rapeseed-seaweed blend promotes gut microbial- and gut immune-modulation in weaner piglets		1
1	Physical fitness in community dwelling older adults is linked to dietary intake, gut microbiota and metabolomic signatures		2