

Hana Kozakova

List of Publications by Year in descending order

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Version: 2024-02-01

57
papers

3,792
citations

201674

27
h-index

149698

56
g-index

61
all docs

61
docs citations

61
times ranked

5913
citing authors

#	ARTICLE	IF	CITATIONS
1	Early infection-induced natural antibody response. <i>Scientific Reports</i> , 2021, 11, 1541.	3.3	2
2	Immune activation by microbiome shapes the colon mucosa: Comparison between healthy rat mucosa under conventional and germ-free conditions. <i>Journal of Immunotoxicology</i> , 2021, 18, 37-49.	1.7	4
3	Phenotypic and Clonal Stability of Antigen-Inexperienced Memory-like T Cells across the Genetic Background, Hygienic Status, and Aging. <i>Journal of Immunology</i> , 2021, 206, 2109-2121.	0.8	18
4	Gut microbiome affects the metabolism of metronidazole in mice through regulation of hepatic cytochromes P450 expression. <i>PLoS ONE</i> , 2021, 16, e0259643.	2.5	8
5	Overview of in vivo and ex vivo endpoints in murine food allergy models: Suitable for evaluation of the sensitizing capacity of novel proteins?. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 289-301.	5.7	28
6	Pre- and Neonatal Imprinting on Immunological Homeostasis and Epithelial Barrier Integrity by <i>Escherichia coli</i> Nissle 1917 Prevents Allergic Poly-Sensitization in Mice. <i>Frontiers in Immunology</i> , 2020, 11, 612775.	4.8	5
7	The role of the microbiome and psychosocial stress in the expression and activity of drug metabolizing enzymes in mice. <i>Scientific Reports</i> , 2020, 10, 8529.	3.3	11
8	Germ-Free Mice Exhibit Mast Cells With Impaired Functionality and Gut Homing and Do Not Develop Food Allergy. <i>Frontiers in Immunology</i> , 2019, 10, 205.	4.8	43
9	Crucial Role of Microbiota in Experimental Psoriasis Revealed by a Gnotobiotic Mouse Model. <i>Frontiers in Microbiology</i> , 2019, 10, 236.	3.5	48
10	Gut microbiota metabolizes nabumetone <i>in vitro</i> : Consequences for its bioavailability <i>in vivo</i> in the rodents with altered gut microbiome. <i>Xenobiotica</i> , 2019, 49, 1296-1302.	1.1	13
11	Hair eruption initiates and commensal skin microbiota aggravate adverse events of anti-EGFR therapy. <i>Science Translational Medicine</i> , 2019, 11, .	12.4	23
12	Prophylactic and therapeutic inhibition of allergic airway inflammation by probiotic <i>Escherichia coli</i> O83. <i>Journal of Allergy and Clinical Immunology</i> , 2018, 142, 1987-1990.e7.	2.9	10
13	Antigen Loading (e.g., Glutamic Acid Decarboxylase 65) of Tolerogenic DCs (tolDCs) Reduces Their Capacity to Prevent Diabetes in the Non-Obese Diabetes (NOD)-Severe Combined Immunodeficiency Model of Adoptive Cotransfer of Diabetes As Well As in NOD Mice. <i>Frontiers in Immunology</i> , 2018, 9, 290.	4.8	19
14	Polysaccharides L900/2 and L900/3 isolated from <i>Lactobacillus rhamnosus</i> LOCK0900 modulate allergic sensitization to ovalbumin in a mouse model. <i>Microbial Biotechnology</i> , 2017, 10, 586-593.	4.2	17
15	Diet Matters: Endotoxin in the Diet Impacts the Level of Allergic Sensitization in Germ-Free Mice. <i>PLoS ONE</i> , 2017, 12, e0167786.	2.5	30
16	Immunoreactive Proteins of <i>Bifidobacterium longum</i> ssp. <i>longum</i> CCM 7952 and <i>Bifidobacterium longum</i> ssp. <i>longum</i> CCDM 372 Identified by Gnotobiotic Mono-Colonized Mice Sera, Immune Rabbit Sera and Non-immune Human Sera. <i>Frontiers in Microbiology</i> , 2016, 7, 1537.	3.5	9
17	Chemical characterization and immunomodulatory properties of polysaccharides isolated from probiotic <i>Lactobacillus casei</i> LOCK 0919. <i>Glycobiology</i> , 2016, 26, 1014-1024.	2.5	31
18	Gnotobiotic mouse model's contribution to understanding host-pathogen interactions. <i>Cellular and Molecular Life Sciences</i> , 2016, 73, 3961-3969.	5.4	11

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19	Identification of <i>Lactobacillus</i> proteins with different recognition patterns between immune rabbit sera and nonimmune mice or human sera. <i>BMC Microbiology</i> , 2016, 16, 17.	3.3	10
20	Colonization of germ-free mice with a mixture of three <i>Lactobacillus</i> strains enhances the integrity of gut mucosa and ameliorates allergic sensitization. <i>Cellular and Molecular Immunology</i> , 2016, 13, 251-262.	10.5	125
21	Genomic and Functional Characterization of the Unusual pLOCK 0919 Plasmid Harboring the <i>spaCBA</i> Pili Cluster in <i>Lactobacillus casei</i> LOCK 0919. <i>Genome Biology and Evolution</i> , 2016, 8, 202-217.	2.5	22
22	<i>Lactobacillus plantarum</i> strain maintains growth of infant mice during chronic undernutrition. <i>Science</i> , 2016, 351, 854-857.	12.6	470
23	Real-Time Polymerase Chain Reaction as a Tool for Evaluation of Magnetic Poly(Glycidyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 5 639-646.	1.9	5
24	Development of gut inflammation in mice colonized with mucosa-associated bacteria from patients with ulcerative colitis. <i>Gut Pathogens</i> , 2015, 7, 32.	3.4	43
25	Faecalibacterium prausnitzii Strain HTF-F and Its Extracellular Polymeric Matrix Attenuate Clinical Parameters in DSS-Induced Colitis. <i>PLoS ONE</i> , 2015, 10, e0123013.	2.5	115
26	The Role of Alveolar Epithelial Type II-Like Cells in Uptake of Structurally Different Antigens and in Polarisation of Local Immune Responses. <i>PLoS ONE</i> , 2015, 10, e0124777.	2.5	6
27	<i>Bifidobacterium longum</i> CCM 7952 Promotes Epithelial Barrier Function and Prevents Acute DSS-Induced Colitis in Strictly Strain-Specific Manner. <i>PLoS ONE</i> , 2015, 10, e0134050.	2.5	140
28	Distinct Immunomodulation of Bone Marrow-Derived Dendritic Cell Responses to <i>Lactobacillus plantarum</i> WCFS1 by Two Different Polysaccharides Isolated from <i>Lactobacillus rhamnosus</i> LOCK 0900. <i>Applied and Environmental Microbiology</i> , 2014, 80, 6506-6516.	3.1	41
29	Neonatal colonization of germ-free mice with <i>Bifidobacterium longum</i> prevents allergic sensitization to major birch pollen allergen Bet v 1. <i>Vaccine</i> , 2013, 31, 5405-5412.	3.8	36
30	Protective effect of <i>Clostridium tyrobutyricum</i> in acute dextran sodium sulphate-induced colitis: differential regulation of tumour necrosis factor- α and interleukin-18 in BALB/c and severe combined immunodeficiency mice. <i>Clinical and Experimental Immunology</i> , 2012, 167, 356-365.	2.6	44
31	Heat-Induced Structural Changes Affect OVA-Antigen Processing and Reduce Allergic Response in Mouse Model of Food Allergy. <i>PLoS ONE</i> , 2012, 7, e37156.	2.5	42
32	Efficiency of PCR-based methods in discriminating <i>Bifidobacterium longum</i> ssp. <i>longum</i> and <i>Bifidobacterium longum</i> ssp. <i>infantis</i> strains of human origin. <i>Journal of Microbiological Methods</i> , 2011, 87, 10-16.	1.6	28
33	Neonatal colonization of mice with <i>Lactobacillus plantarum</i> producing the aeroallergen Bet v 1 biases towards Th1 and T-regulatory responses upon systemic sensitization. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2011, 66, 368-375.	5.7	43
34	The role of gut microbiota (commensal bacteria) and the mucosal barrier in the pathogenesis of inflammatory and autoimmune diseases and cancer: contribution of germ-free and gnotobiotic animal models of human diseases. <i>Cellular and Molecular Immunology</i> , 2011, 8, 110-120.	10.5	594
35	Impact of heat-inactivated <i>Lactobacillus casei</i> and <i>Lactobacillus paracasei</i> strains on cytokine responses in whole blood cell cultures of children with atopic dermatitis. <i>Folia Microbiologica</i> , 2010, 55, 277-280.	2.3	26
36	Intestinal Maturation and Mucosal Immunity in NOD (non-obese diabetic) Compared to BALB/c Mice: Effect of Diabetes Protective Diets. <i>Clinical Immunology</i> , 2010, 135, S64-S65.	3.2	0

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37	Probiotic Lactobacillus strains: in vitro and in vivo studies. <i>Folia Microbiologica</i> , 2009, 54, 533-537.	2.3	40
38	Colorectal carcinoma: Importance of colonic environment for anti-cancer response and systemic immunity. <i>Journal of Immunotoxicology</i> , 2009, 6, 217-226.	1.7	18
39	Susceptibility to nasal and oral tolerance induction to the major birch pollen allergen Bet v 1 is not dependent on the presence of the microflora. <i>Immunology Letters</i> , 2008, 117, 50-56.	2.5	20
40	Gut microbiota and lipopolysaccharide content of the diet influence development of regulatory T cells: studies in germ-free mice. <i>BMC Immunology</i> , 2008, 9, 65.	2.2	177
41	Constitutive Expression of IL-18 and IL-18R in Differentiated IEC-6 Cells: Effect of TNF- α and IFN- γ Treatment. <i>Journal of Interferon and Cytokine Research</i> , 2008, 28, 287-296.	1.2	27
42	Colorectal carcinogenesis in germ-free and conventionally reared rats: Different intestinal environments affect the systemic immunity. <i>International Journal of Oncology</i> , 2008, , .	3.3	55
43	Colorectal carcinogenesis in germ-free and conventionally reared rats: different intestinal environments affect the systemic immunity. <i>International Journal of Oncology</i> , 2008, 32, 609-17.	3.3	54
44	Segmented filamentous bacteria in a defined bacterial cocktail induce intestinal inflammation in SCID mice reconstituted with CD45RBhigh CD4+ T cells. <i>Inflammatory Bowel Diseases</i> , 2007, 13, 1202-1211.	1.9	177
45	Effect of bacterial monoassociation on brush-border enzyme activities in ex-germ-free piglets: comparison of commensal and pathogenic <i>Escherichia coli</i> strains. <i>Microbes and Infection</i> , 2006, 8, 2629-2639.	1.9	38
46	Involvement of Innate Immunity in the Development of Inflammatory and Autoimmune Diseases. <i>Annals of the New York Academy of Sciences</i> , 2005, 1051, 787-798.	3.8	76
47	Commensal bacteria (normal microflora), mucosal immunity and chronic inflammatory and autoimmune diseases. <i>Immunology Letters</i> , 2004, 93, 97-108.	2.5	606
48	Potential and Opportunities for Use of Recombinant Lactic Acid Bacteria in Human Health. <i>Advances in Applied Microbiology</i> , 2004, 56, 1-64.	2.4	67
49	Vitamin A deficiency leads to severe functional disturbance of the intestinal epithelium enzymes associated with diarrhoea and increased bacterial translocation in gnotobiotic rats. <i>Microbes and Infection</i> , 2003, 5, 405-411.	1.9	28
50	Maternal Milk Reduces Severity of Necrotizing Enterocolitis and Increases Intestinal IL-10 in a Neonatal Rat Model. <i>Pediatric Research</i> , 2003, 53, 426-433.	2.3	109
51	Experimentally Induced Gluten Enteropathy and Protective Effect of Epidermal Growth Factor in Artificially Fed Neonatal Rats. <i>Journal of Pediatric Gastroenterology and Nutrition</i> , 2003, 36, 96-104.	1.8	22
52	Mucosal Immunity: Its Role in Defense and Allergy. <i>International Archives of Allergy and Immunology</i> , 2002, 128, 77-89.	2.1	92
53	Specific Antibody and Immunoglobulin Responses after Intestinal Colonization of Germ-Free Piglets with Non-Pathogenic. <i>Immunobiology</i> , 2001, 204, 425-433.	1.9	48
54	Isolation of lymphoid cells from fetuses and germ-free animals. , 1996, , 1551-1554.		0

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55	Effects of Nocardia-Delipidated Cell Mitogen on Intestinal Mucosa and Spleen Lymphocytes of Germ-Free Rats. <i>Advances in Experimental Medicine and Biology</i> , 1995, 371A, 483-487.	1.6	0
56	Protective effects of nocardia delipidated cell mitogen on the mucosa of the small intestine after irradiation of germ-free piglets.. <i>Cell Biology International</i> , 1994, 18, 237-244.	3.0	1
57	Stimulation of enterocyte enzymatic activities, MHC class II expression and other immunological factors after oral treatment with Nocardia delipidated cell mitogen in germ-free rats. <i>International Journal of Immunopharmacology</i> , 1994, 16, 487-493.	1.1	4