Hana Kozakova

List of Publications by Year
in descending order

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	Commensal bacteria (normal microflora), mucosal immunity and chronic inflammatory and autoimmune diseases. Immunology Letters, 2004, 93, 97-108.	2.5	606
2	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. Cellular and Molecular Immunology, 2011, 8, 110-120.	10.5	594
3	Lactobacillus plantarum strain maintains growth of infant mice during chronic undernutrition. Science, 2016, 351, 854-857.	12.6	470
4	Segmented filamentous bacteria in a defined bacterial cocktail induce intestinal inflammation in SCID mice reconstituted with CD45RBhigh CD4+ T cells. Inflammatory Bowel Diseases, 2007, 13, 1202-1211.	1.9	177
5	Gut microbiota and lipopolysaccharide content of the diet influence development of regulatory T cells: studies in germ-free mice. BMC Immunology, 2008, 9, 65.	2.2	177
6	Bifidobacterium longum CCM 7952 Promotes Epithelial Barrier Function and Prevents Acute DSS-Induced Colitis in Strictly Strain-Specific Manner. PLoS ONE, 2015, 10, e0134050.	2.5	140
7	Colonization of germ-free mice with a mixture of three lactobacillus strains enhances the integrity of gut mucosa and ameliorates allergic sensitization. Cellular and Molecular Immunology, 2016, 13, 251-262.	10.5	125
8	Faecalibacterium prausnitzii Strain HTF-F and Its Extracellular Polymeric Matrix Attenuate Clinical Parameters in DSS-Induced Colitis. PLoS ONE, 2015, 10, e0123013.	2.5	115
9	Maternal Milk Reduces Severity of Necrotizing Enterocolitis and Increases Intestinal IL-10 in a Neonatal Rat Model. Pediatric Research, 2003, 53, 426-433.	2.3	109
10	Mucosal Immunity: Its Role in Defense and Allergy. International Archives of Allergy and Immunology, 2002, 128, 77-89.	2.1	92
11	Involvement of Innate Immunity in the Development of Inflammatory and Autoimmune Diseases. Annals of the New York Academy of Sciences, 2005, 1051, 787-798.	3.8	76
12	Potential and Opportunities for Use of Recombinant Lactic Acid Bacteria in Human Health. Advances in Applied Microbiology, 2004, 56, 1-64.	2.4	67
13	Colorectal carcinogenesis in germ-free and conventionally reared rats: Different intestinal environments affect the systemic immunity. International Journal of Oncology, 2008, , .	3.3	55
14	Colorectal carcinogenesis in germ-free and conventionally reared rats: different intestinal environments affect the systemic immunity. International Journal of Oncology, 2008, 32, 609-17.	3.3	54
15	Specific Antibody and Immunoglobulin Responses after Intestinal Colonization of Germ-Free Piglets with Non-Pathogenic. Immunobiology, 2001, 204, 425-433.	1.9	48
16	Crucial Role of Microbiota in Experimental Psoriasis Revealed by a Gnotobiotic Mouse Model. Frontiers in Microbiology, 2019, 10, 236.	3.5	48
17	Protective effect of Clostridium tyrobutyricum in acute dextran sodium sulphate-induced colitis: differential regulation of tumour necrosis factor-Î± and interleukin-18 in BALB/c and severe combined immunodeficiency mice. Clinical and Experimental Immunology, 2012, 167, 356-365.	2.6	44
18	Neonatal colonization of mice with Lactobacillus plantarum producing the aeroallergen Bet v 1 biases towards Th1 and T-regulatory responses upon systemic sensitization. Allergy: European Journal of Allergy and Clinical Immunology, 2011, 66, 368-375.	5.7	43

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19	Development of gut inflammation in mice colonized with mucosa-associated bacteria from patients with ulcerative colitis. Gut Pathogens, 2015, 7, 32.	3.4	43
20	Germ-Free Mice Exhibit Mast Cells With Impaired Functionality and Gut Homing and Do Not Develop Food Allergy. Frontiers in Immunology, 2019, 10, 205.	4.8	43
21	Heat-Induced Structural Changes Affect OVA-Antigen Processing and Reduce Allergic Response in Mouse Model of Food Allergy. PLoS ONE, 2012, 7, e37156.	2.5	42
22	Distinct Immunomodulation of Bone Marrow-Derived Dendritic Cell Responses to Lactobacillus plantarum WCFS1 by Two Different Polysaccharides Isolated from Lactobacillus rhamnosus LOCK 0900. Applied and Environmental Microbiology, 2014, 80, 6506-6516.	3.1	41
23	Probiotic Lactobacillus strains: in vitro and in vivo studies. Folia Microbiologica, 2009, 54, 533-537.	2.3	40
24	Effect of bacterial monoassociation on brush-border enzyme activities in ex-germ-free piglets: comparison of commensal and pathogenic Escherichia coli strains. Microbes and Infection, 2006, 8, 2629-2639.	1.9	38
25	Neonatal colonization of germ-free mice with Bifidobacterium longum prevents allergic sensitization to major birch pollen allergen Bet v 1. Vaccine, 2013, 31, 5405-5412.	3.8	36
26	Chemical characterization and immunomodulatory properties of polysaccharides isolated from probioticLactobacillus caseiLOCK 0919. Glycobiology, 2016, 26, 1014-1024.	2.5	31
27	Diet Matters: Endotoxin in the Diet Impacts the Level of Allergic Sensitization in Germ-Free Mice. PLoS ONE, 2017, 12, e0167786.	2.5	30
28	Vitamin A deficiency leads to severe functional disturbance of the intestinal epithelium enzymes associated with diarrhoea and increased bacterial translocation in gnotobiotic rats. Microbes and Infection, 2003, 5, 405-411.	1.9	28
29	Efficiency of PCR-based methods in discriminating Bifidobacterium longum ssp. longum and Bifidobacterium longum ssp. infantis strains of human origin. Journal of Microbiological Methods, 2011, 87, 10-16.	1.6	28
30	Overview of in vivo and ex vivo endpoints in murine food allergy models: Suitable for evaluation of the sensitizing capacity of novel proteins?. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 289-301.	5.7	28
31	Constitutive Expression of IL-18 and IL-18R in Differentiated IEC-6 Cells: Effect of TNF-Î±and IFN-Î³Treatment. Journal of Interferon and Cytokine Research, 2008, 28, 287-296.	1.2	27
32	Impact of heat-inactivated Lactobacillus casei and Lactobacillus paracasei strains on cytokine responses in whole blood cell cultures of children with atopic dermatitis. Folia Microbiologica, 2010, 55, 277-280.	2.3	26
33	Hair eruption initiates and commensal skin microbiota aggravate adverse events of anti-EGFR therapy. Science Translational Medicine, 2019, 11, .	12.4	23
34	Genomic and Functional Characterization of the Unusual pLOCK 0919 Plasmid Harboring thespaCBAPili Cluster inLactobacillus caseiLOCK 0919. Genome Biology and Evolution, 2016, 8, 202-217.	2.5	22
35	Experimentally Induced Gluten Enteropathy and Protective Effect of Epidermal Growth Factor in Artificially Fed Neonatal Rats. Journal of Pediatric Gastroenterology and Nutrition, 2003, 36, 96-104.	1.8	22
36	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. Immunology Letters, 2008, 117, 50-56.	2.5	20

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37	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. Frontiers in Immunology, 2018, 9, 290.	4.8	19
38	Colorectal carcinoma: Importance of colonic environment for anti-cancer response and systemic immunity. Journal of Immunotoxicology, 2009, 6, 217-226.	1.7	18
39	Phenotypic and Clonal Stability of Antigen-Inexperienced Memory-like T Cells across the Genetic Background, Hygienic Status, and Aging. Journal of Immunology, 2021, 206, 2109-2121.	0.8	18
40	Polysaccharides L900/2 and L900/3 isolated from Lactobacillus rhamnosus <scp>LOCK</scp> 0900 modulate allergic sensitization to ovalbumin in a mouse model. Microbial Biotechnology, 2017, 10, 586-593.	4.2	17
41	Gut microbiota metabolizes nabumetone in vitro: Consequences for its bioavailability in vivo in the rodents with altered gut microbiome. Xenobiotica, 2019, 49, 1296-1302.	1.1	13
42	Gnotobiotic mouse modelâ€™s contribution to understanding hostâ€“pathogen interactions. Cellular and Molecular Life Sciences, 2016, 73, 3961-3969.	5.4	11
43	The role of the microbiome and psychosocial stress in the expression and activity of drug metabolizing enzymes in mice. Scientific Reports, 2020, 10, 8529.	3.3	11
44	Identification of Lactobacillus proteins with different recognition patterns between immune rabbit sera and nonimmune mice or human sera. BMC Microbiology, 2016, 16, 17.	3.3	10
45	Prophylactic and therapeutic inhibition of allergic airway inflammation by probiotic Escherichia coli O83. Journal of Allergy and Clinical Immunology, 2018, 142, 1987-1990.e7.	2.9	10
46	Immunoreactive Proteins of Bifidobacterium longum ssp. longum CCM 7952 and Bifidobacterium longum ssp. longum CCDM 372 Identified by Gnotobiotic Mono-Colonized Mice Sera, Immune Rabbit Sera and Non-immune Human Sera. Frontiers in Microbiology, 2016, 7, 1537.	3.5	9
47	Gut microbiome affects the metabolism of metronidazole in mice through regulation of hepatic cytochromes P450 expression. PLoS ONE, 2021, 16, e0259643.	2.5	8
48	The Role of Alveolar Epithelial Type II-Like Cells in Uptake of Structurally Different Antigens and in Polarisation of Local Immune Responses. PLoS ONE, 2015, 10, e0124777.	2.5	6
49	Pre- and Neonatal Imprinting on Immunological Homeostasis and Epithelial Barrier Integrity by Escherichia coli Nissle 1917 Prevents Allergic Poly-Sensitization in Mice. Frontiers in Immunology, 2020, 11, 612775.	4.8	5
50	Real-Time Polymerase Chain Reaction as a Tool for Evaluation of Magnetic Poly(Glycidyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (m 639-646.	1.9	5
51	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. International Journal of Immunopharmacology, 1994, 16, 487-493.	1.1	4
52	Immune activation by microbiome shapes the colon mucosa: Comparison between healthy rat mucosa under conventional and germ-free conditions. Journal of Immunotoxicology, 2021, 18, 37-49.	1.7	4
53	Early infection-induced natural antibody response. Scientific Reports, 2021, 11, 1541.	3.3	2
54	Protective effects of nocardia delipidated cell mitogen on the mucosa of the small intestine after irradiation of germ-free piglets.. Cell Biology International, 1994, 18, 237-244.	3.0	1

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55	Intestinal Maturation and Mucosal Immunity in NOD (non-obese diabetic) Compared to BALB/c Mice: Effect of Diabetes Protective Diets. Clinical Immunology, 2010, 135, S64-S65.	3.2	0
56	Effects of Nocardia-Delipidated Cell Mitogen on Intestinal Mucosa and Spleen Lymphocytes of Germ-Free Rats. Advances in Experimental Medicine and Biology, 1995, 371A, 483-487.	1.6	0
57	Isolation of lymphoid cells from fetuses and germ-free animals. , 1996, , 1551-1554.		0