

Igor Splichal

List of Publications by Year in descending order

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65
papers

1,052
citations

361045

20
h-index

454577

30
g-index

66
all docs

66
docs citations

66
times ranked

1044
citing authors

#	ARTICLE	IF	CITATIONS
1	The piglet as a model for B cell and immune system development. <i>Veterinary Immunology and Immunopathology</i> , 2009, 128, 147-170.	0.5	116
2	Prenatal ontogeny of lymphocyte subpopulations in pigs. <i>Immunology</i> , 1998, 95, 595-603.	2.0	63
3	Modulation of natural immunity in the gut by <i>Escherichia coli</i> strain Nissle 1917. <i>Nutrition Reviews</i> , 2010, 68, 459-464.	2.6	59
4	Thymic B cells of pig fetuses and germ-free pigs spontaneously produce IgM, IgG and IgA: detection by ELISPOT method. <i>Immunology</i> , 1996, 87, 487-492.	2.0	45
5	Isotype and antibody specificity of spontaneously formed immunoglobulins in pig fetuses and germ-free piglets: production by CD5 ⁺ B cells. <i>Immunology</i> , 1996, 88, 611-617.	2.0	43
6	Cross-talk of human gut with bifidobacteria. <i>Nutrition Reviews</i> , 2009, 67, 77-82.	2.6	39
7	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.	1.0	38
8	Interference of <i>Bifidobacterium choerinum</i> or <i>Escherichia coli</i> Nissle 1917 with <i>Salmonella</i> Typhimurium in gnotobiotic piglets correlates with cytokine patterns in blood and intestine. <i>Clinical and Experimental Immunology</i> , 2011, 163, 242-249.	1.1	37
9	Probiotics manipulate host cytokine response and induce antimicrobial peptides. <i>Folia Microbiologica</i> , 2006, 51, 507-510.	1.1	33
10	Pathogenicity and protective effect of rough mutants of <i>Salmonella</i> species in germ-free piglets. <i>Infection and Immunity</i> , 1997, 65, 5238-5243.	1.0	29
11	The effect of intestinal colonization of germ-free pigs with <i>Escherichia coli</i> on calprotectin levels in plasma, intestinal and bronchoalveolar lavages. <i>Immunobiology</i> , 2005, 209, 681-687.	0.8	28
12	Susceptibility of bifidobacteria to lysozyme as a possible selection criterion for probiotic bifidobacterial strains. <i>Biotechnology Letters</i> , 2010, 32, 451-455.	1.1	28
13	Early cytokine response of gnotobiotic piglets to <i>Salmonella enterica</i> serotype Typhimurium. <i>Veterinary Research</i> , 2002, 33, 291-297.	1.1	26
14	Preterm Life in Sterile Conditions: A Study on Preterm, Germ-Free Piglets. <i>Frontiers in Immunology</i> , 2018, 9, 220.	2.2	25
15	Early ontogeny of immune cells and their functions in the fetal pig. <i>Veterinary Immunology and Immunopathology</i> , 1996, 54, 75-81.	0.5	22
16	Protection of gnotobiotic pigs against <i>Salmonella enterica</i> serotype Typhimurium by rough mutant of the same serotype is accompanied by the change of local and systemic cytokine response. <i>Veterinary Immunology and Immunopathology</i> , 2005, 103, 155-161.	0.5	22
17	Cytokines and other important inflammatory mediators in gestation and bacterial intraamniotic infections. <i>Folia Microbiologica</i> , 2001, 46, 345-351.	1.1	21
18	Alarmin HMGB1 Is Released in the Small Intestine of Gnotobiotic Piglets Infected with Enteric Pathogens and Its Level in Plasma Reflects Severity of Sepsis. <i>Journal of Clinical Immunology</i> , 2011, 31, 488-497.	2.0	21

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19	Colonization of preterm gnotobiotic piglets with probiotic <i>Lactobacillus rhamnosus</i> GG and its interference with <i>Salmonella</i> Typhimurium. <i>Clinical and Experimental Immunology</i> , 2019, 195, 381-394.	1.1	21
20	Cellular changes and cytokine expression in the ilea of gnotobiotic piglets resulting from peroral <i>Salmonella typhimurium</i> challenge. <i>Infection and Immunity</i> , 1997, 65, 5244-5249.	1.0	21
21	Ontogeny of interferon alpha secreting cells in the porcine fetal hematopoietic organs. <i>Immunology Letters</i> , 1994, 43, 203-208.	1.1	20
22	Growth of bifidobacteria and clostridia on human and cow milk saccharides. <i>Anaerobe</i> , 2011, 17, 223-225.	1.0	17
23	Lipopolysaccharide induces inflammatory cytokines in the pig amnion. <i>Veterinary Immunology and Immunopathology</i> , 2002, 87, 11-18.	0.5	16
24	Attenuated <i>aroA</i> <i>Salmonella enterica</i> serovar Typhimurium does not induce inflammatory response and early protection of gnotobiotic pigs against parental virulent LT2 strain. <i>Vaccine</i> , 2006, 24, 4285-4289.	1.7	16
25	Local and systemic occurrences of HMGB1 in gnotobiotic piglets infected with <i>E. coli</i> O55 are related to bacterial translocation and inflammatory cytokines. <i>Cytokine</i> , 2012, 60, 597-600.	1.4	16
26	Stimulation of Intestinal Immune Cells By <i>E. coli</i> in Gnotobiotic Piglets. <i>Advances in Experimental Medicine and Biology</i> , 1995, 371A, 463-464.	0.8	14
27	High Mobility Group Box 1 and TLR4 Signaling Pathway in Gnotobiotic Piglets Colonized/Infected with <i>L. amylovorus</i> , <i>L. mucosae</i> , <i>E. coli</i> Nissle 1917 and <i>S. Typhimurium</i> . <i>International Journal of Molecular Sciences</i> , 2019, 20, 6294.	1.8	13
28	<i>Escherichia coli</i> administered into pig amniotic cavity appear in fetal airways and attract macrophages into fetal lungs. <i>Physiological Research</i> , 2002, 51, 523-8.	0.4	13
29	In vivo study of interferon-alpha-secreting cells in pig foetal lymphohaematopoietic organs following in utero TGEV coronavirus injection. <i>Research in Immunology</i> , 1997, 148, 247-256.	0.9	12
30	The Effect of Immunosuppression on Manifestations of Sepsis in an Animal Model of Cecal Ligation and Puncture. <i>Transplantation Proceedings</i> , 2013, 45, 770-777.	0.3	12
31	Colonization of Germ-Free Piglets with Commensal <i>Lactobacillus amylovorus</i> , <i>Lactobacillus mucosae</i> , and Probiotic <i>E. coli</i> Nissle 1917 and Their Interference with <i>Salmonella Typhimurium</i> . <i>Microorganisms</i> , 2019, 7, 273.	1.6	12
32	Nitric oxide metabolites in gnotobiotic piglets orally infected with <i>Salmonella enterica</i> serovar Typhimurium. <i>Folia Microbiologica</i> , 2001, 46, 353-358.	1.1	11
33	Systemic and local cytokine response of young piglets to oral infection with <i>Salmonella enterica</i> serotype typhimurium. <i>Folia Microbiologica</i> , 2003, 48, 403-407.	1.1	10
34	Expression of inflammatory markers in pig amnion after intraamniotic infection with nonpathogenic or enteropathogenic <i>Escherichia coli</i> . <i>Folia Microbiologica</i> , 2004, 49, 751-756.	1.1	10
35	Polyclonal immunoglobulin response of thymic, hepatic and splenic lymphocytes from fetal, germ-free and conventionally reared pigs to different B-cell activators. <i>Folia Microbiologica</i> , 1995, 40, 421-430.	1.1	9
36	Treatment of radiation disease by <i>Nocardia</i> fraction: Possible effect of inflammatory cytokines. <i>International Journal of Immunopharmacology</i> , 1994, 16, 481-485.	1.1	8

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37	Susceptibility of germ-free pigs to challenge with protease mutants of <i>Salmonella enterica</i> serovar Typhimurium. <i>Immunobiology</i> , 2007, 212, 577-582.	0.8	8
38	Impact of the Lipopolysaccharide Chemotype of <i>Salmonella Enterica</i> Serovar Typhimurium on Virulence in Gnotobiotic Piglets. <i>Toxins</i> , 2019, 11, 534.	1.5	8
39	Toll-Like Receptor 4 Signaling in the Ileum and Colon of Gnotobiotic Piglets Infected with <i>Salmonella Typhimurium</i> or Its Isogenic Δ trfa Mutants. <i>Toxins</i> , 2020, 12, 545.	1.5	8
40	Innate immune response in the gut against <i>Salmonella</i> – review. <i>Folia Microbiologica</i> , 2010, 55, 295-300.	1.1	7
41	Experimental Enteric Bacterial Infections in Pigs. <i>Journal of Infectious Diseases</i> , 2018, 218, 504-505.	1.9	7
42	Colonization of Germ-Free Piglets with Mucinolytic and Non-Mucinolytic <i>Bifidobacterium boum</i> Strains Isolated from the Intestine of Wild Boar and Their Interference with <i>Salmonella Typhimurium</i> . <i>Microorganisms</i> , 2020, 8, 2002.	1.6	7
43	Expression of TNF- α in pig fetal cells stimulated in Vitro. <i>Folia Microbiologica</i> , 1995, 40, 417-420.	1.1	6
44	Effect of Bacterial Virulence on IL-18 Expression in the Amnion Infected with <i>Escherichia coli</i> . <i>American Journal of Reproductive Immunology</i> , 2005, 53, 255-260.	1.2	6
45	Monoassociation of Preterm Germ-Free Piglets with <i>Bifidobacterium animalis</i> Subsp. <i>lactis</i> BB-12 and Its Impact on Infection with <i>Salmonella Typhimurium</i> . <i>Biomedicines</i> , 2021, 9, 183.	1.4	6
46	Development and Application of a Pig IL-8 ELISA Detection System. <i>Journal of Immunoassay and Immunochemistry</i> , 2003, 24, 219-232.	0.5	5
47	Immunomodulatory effects of <i>Bacillus firmus</i> . <i>Folia Microbiologica</i> , 1997, 42, 403-408.	1.1	4
48	Effect of controlled antigenic stimulation on lymphocyte subsets in pigs and pig fetuses. <i>Folia Microbiologica</i> , 1998, 43, 513-516.	1.1	4
49	A modified MacConkey agar for selective enumeration of necrotoxicogenic <i>E. coli</i> O55 and probiotic <i>E. coli</i> Nissle 1917. <i>Journal of Microbiological Methods</i> , 2014, 104, 82-86.	0.7	4
50	High Mobility Group Box 1 in Pig Amniotic Membrane Experimentally Infected with <i>E. coli</i> O55. <i>Biomolecules</i> , 2021, 11, 1146.	1.8	4
51	Induction of inflammatory cytokines by <i>Nocardia</i> fractions. <i>Folia Biologica</i> , 1993, 39, 243-9.	0.8	4
52	The order of immunoglobulin light chain λ and κ usage in primary and secondary lymphoid tissues of germ-free and conventional piglets. <i>Developmental and Comparative Immunology</i> , 2022, 131, 104392.	1.0	4
53	Development of Allele-Specific Primer PCR for a Swine TLR2 SNP and Comparison of the Frequency among Several Pig Breeds of Japan and the Czech Republic. <i>Journal of Veterinary Medical Science</i> , 2012, 74, 553-559.	0.3	3
54	Allele-specific primer polymerase chain reaction for a single nucleotide polymorphism (C1205T) of swine Toll-like receptor 5 and comparison of the allelic frequency among several pig breeds in Japan and the Czech Republic. <i>Microbiology and Immunology</i> , 2012, 56, 385-391.	0.7	3

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55	Embryonic Liver: Diversification Site of Lymphocyte Lineages. <i>Advances in Experimental Medicine and Biology</i> , 1995, 371A, 403-405.	0.8	3
56	Crohn's Disease: a Role of Gut Microbiota and Nod2 Gene Polymorphisms in Disease Pathogenesis. <i>Acta Medica (Hradec Kralove)</i> , 2014, 57, 89-96.	0.2	2
57	Bacterial Immunomodulators Affect Programmed Cell Death of Mouse Spleen Lymphocytes. <i>Annals of the New York Academy of Sciences</i> , 1997, 815, 492-495.	1.8	1
58	Distribution of gamma delta T cells in the pig foetus. <i>Folia Biologica</i> , 1995, 41, 227-37.	0.8	1
59	Absence of porcine interferon alpha secreting cells in severe combined immunodeficiency (SCID) mice inoculated with porcine leukocytes. <i>Veterinary Research</i> , 1998, 29, 567-72.	1.1	1
60	Prenatal expression of the 65-kDa heat-shock protein homologue in pig tissues. <i>Folia Microbiologica</i> , 1993, 38, 242-244.	1.1	0
61	Plasma lipopolysaccharide level and enterocyte brush border enzymes in gnotobiotic piglets infected with <i>Salmonella typhimurium</i> . <i>Veterinari Medicina</i> , 2002, 47, 289-294.	0.2	0
62	172. <i>Cytokine</i> , 2014, 70, 69.	1.4	0
63	Stimulation of GALT by Nocardia Delipidated Cell Mitogen (NDCM) in Irradiated Germfree Piglets. <i>Advances in Experimental Medicine and Biology</i> , 1995, 371A, 489-492.	0.8	0
64	Intrauterine immunization. , 1996, , 1547-1549.		0
65	Cytokine response to <i>Escherichia coli</i> in gnotobiotic pigs. <i>Folia Microbiologica</i> , 2008, 53, 161-4.	1.1	0