

Wilhelm Gerner

List of Publications by Year in descending order

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91
papers

3,649
citations

172207

29
h-index

143772

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97
all docs

97
docs citations

97
times ranked

7636
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). <i>European Journal of Immunology</i> , 2019, 49, 1457-1973.	1.6	766
2	Porcine T lymphocytes and NK cells – An update. <i>Developmental and Comparative Immunology</i> , 2009, 33, 310-320.	1.0	243
3	The porcine innate immune system: An update. <i>Developmental and Comparative Immunology</i> , 2014, 45, 321-343.	1.0	235
4	Coronavirus nsp6 proteins generate autophagosomes from the endoplasmic reticulum via an omegasome intermediate. <i>Autophagy</i> , 2011, 7, 1335-1347.	4.3	215
5	Establishment and characterization of a novel canine B-cell line derived from a spontaneously occurring diffuse large cell lymphoma. <i>Leukemia Research</i> , 2010, 34, 932-938.	0.4	119
6	Phenotypic maturation of porcine NK- and T-cell subsets. <i>Developmental and Comparative Immunology</i> , 2013, 40, 51-68.	1.0	113
7	CD27 expression discriminates porcine T helper cells with functionally distinct properties. <i>Veterinary Research</i> , 2013, 44, 18.	1.1	82
8	Phenotypic and functional differentiation of porcine $\alpha\beta$ T cells: Current knowledge and available tools. <i>Molecular Immunology</i> , 2015, 66, 3-13.	1.0	79
9	CD2 and CD8 α define porcine β T cells with distinct cytokine production profiles. <i>Developmental and Comparative Immunology</i> , 2014, 45, 97-106.	1.0	77
10	Phenotypic and functional characterisation of porcine CD4 ⁺ CD25 ^{high} regulatory T cells. <i>Veterinary Immunology and Immunopathology</i> , 2008, 122, 153-158.	0.5	72
11	Detection of Foxp3 protein expression in porcine T lymphocytes. <i>Veterinary Immunology and Immunopathology</i> , 2008, 125, 92-101.	0.5	72
12	Fowl adenovirus (FAdV) serotype 4 causes depletion of B and T cells in lymphoid organs in specific pathogen-free chickens following experimental infection. <i>Veterinary Immunology and Immunopathology</i> , 2008, 121, 130-139.	0.5	67
13	Synergistic effects of IL-2, IL-12 and IL-18 on cytolytic activity, perforin expression and IFN- γ production of porcine natural killer cells. <i>Veterinary Immunology and Immunopathology</i> , 2008, 121, 68-82.	0.5	59
14	Porcine CD27: Identification, expression and functional aspects in lymphocyte subsets in swine. <i>Developmental and Comparative Immunology</i> , 2012, 38, 321-331.	1.0	59
15	Expression of T-Bet, Eomesodermin, and GATA-3 Correlates With Distinct Phenotypes and Functional Properties in Porcine β T Cells. <i>Frontiers in Immunology</i> , 2019, 10, 396.	2.2	58
16	Assessment of the Phenotype and Functionality of Porcine CD8 T Cell Responses following Vaccination with Live Attenuated Classical Swine Fever Virus (CSFV) and Virulent CSFV Challenge. <i>Vaccine Journal</i> , 2013, 20, 1604-1616.	3.2	56
17	NKp46 expression discriminates porcine NK cells with different functional properties. <i>European Journal of Immunology</i> , 2012, 42, 1261-1271.	1.6	53
18	Influenza A Virus Infection in Pigs Attracts Multifunctional and Cross-Reactive T Cells to the Lung. <i>Journal of Virology</i> , 2016, 90, 9364-9382.	1.5	53

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19	Magnitude and kinetics of multifunctional CD4 ⁺ and CD8 ⁺ T cells in pigs infected with swine influenza A virus. <i>Veterinary Research</i> , 2015, 46, 52.	1.1	49
20	Identification of novel foot-and-mouth disease virus specific T-cell epitopes in c/c and d/d haplotype miniature swine. <i>Virus Research</i> , 2006, 121, 223-228.	1.1	45
21	Porcine CD8 ⁺ dim/-NKp46 ^{high} NK cells are in a highly activated state. <i>Veterinary Research</i> , 2013, 44, 13.	1.1	41
22	Expression of T-bet, Eomesodermin and GATA-3 in porcine $\alpha\beta$ T cells. <i>Developmental and Comparative Immunology</i> , 2016, 60, 115-126.	1.0	41
23	Porcine regulatory T cells: Mechanisms and T-cell targets of suppression. <i>Developmental and Comparative Immunology</i> , 2011, 35, 1166-1172.	1.0	39
24	Porcine CD3 ⁺ NKp46 ⁺ Lymphocytes Have NK-Cell Characteristics and Are Present in Increased Frequencies in the Lungs of Influenza-Infected Animals. <i>Frontiers in Immunology</i> , 2016, 7, 263.	2.2	35
25	Changes in lymphocyte populations in suckling piglets during primary infections with <i>Isospora suis</i> . <i>Parasite Immunology</i> , 2010, 32, 232-244.	0.7	34
26	PCV2 vaccination induces IFN- γ /TNF- α co-producing T cells with a potential role in protection. <i>Veterinary Research</i> , 2015, 46, 20.	1.1	34
27	A comprehensive antigen production and characterisation study for easy-to-implement, specific and quantitative SARS-CoV-2 serotests. <i>EBioMedicine</i> , 2021, 67, 103348.	2.7	34
28	Frequency of Th17 cells correlates with the presence of lung lesions in pigs chronically infected with <i>Actinobacillus pleuropneumoniae</i> . <i>Veterinary Research</i> , 2017, 48, 4.	1.1	33
29	Ubiquitous LEA29Y Expression Blocks T Cell Co-Stimulation but Permits Sexual Reproduction in Genetically Modified Pigs. <i>PLoS ONE</i> , 2016, 11, e0155676.	1.1	33
30	Carbopol improves the early cellular immune responses induced by the modified-live vaccine Ingelvac PRRSA [®] MLV. <i>Veterinary Microbiology</i> , 2015, 176, 352-357.	0.8	30
31	Expression of Vascular Endothelial Growth Factor and its Receptors in Canine Lymphoma. <i>Journal of Comparative Pathology</i> , 2007, 137, 30-40.	0.1	28
32	Detection of intracellular antigens in porcine PBMC by flow cytometry: A comparison of fixation and permeabilisation reagents. <i>Veterinary Immunology and Immunopathology</i> , 2008, 121, 251-259.	0.5	28
33	Sensitive detection of Foxp3 expression in bovine lymphocytes by flow cytometry. <i>Veterinary Immunology and Immunopathology</i> , 2010, 138, 154-158.	0.5	27
34	IL-12 and IL-18 induce interferon- γ production and de novo CD2 expression in porcine $\alpha\beta$ T cells. <i>Developmental and Comparative Immunology</i> , 2014, 47, 115-122.	1.0	27
35	Identification of Major Histocompatibility Complex Restriction and Anchor Residues of Foot-and-Mouth Disease Virus-Derived Bovine T-Cell Epitopes. <i>Journal of Virology</i> , 2009, 83, 4039-4050.	1.5	25
36	Porcine SWC1 is CD52 ⁺ Final determination by the use of a retroviral cDNA expression library. <i>Veterinary Immunology and Immunopathology</i> , 2012, 146, 27-34.	0.5	25

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37	Molecular characterization of swine leukocyte antigen gene diversity in purebred <i>Pietrain</i> pigs. <i>Animal Genetics</i> , 2013, 44, 202-205.	0.6	25
38	PRRSV-infected monocyte-derived dendritic cells express high levels of SLA-DR and CD80/86 but do not stimulate PRRSV-naïve regulatory T cells to proliferate. <i>Veterinary Research</i> , 2015, 46, 54.	1.1	25
39	Induction of an antigen-specific immune response and partial protection of cattle against challenge infection with foot-and-mouth disease virus (FMDV) after lipopeptide vaccination with FMDV-specific B-cell epitopes. <i>Journal of General Virology</i> , 2003, 84, 3315-3324.	1.3	23
40	Phenotypic Characterization of Canine Intestinal Intraepithelial Lymphocytes in Dogs with Inflammatory Bowel Disease. <i>Journal of Veterinary Internal Medicine</i> , 2014, 28, 1708-1715.	0.6	23
41	The tyrosine kinase inhibitor sorafenib decreases cell number and induces apoptosis in a canine osteosarcoma cell line. <i>Research in Veterinary Science</i> , 2010, 88, 94-100.	0.9	20
42	Changes in leukocyte subsets of pregnant gilts experimentally infected with porcine reproductive and respiratory syndrome virus and relationships with viral load and fetal outcome. <i>Veterinary Research</i> , 2014, 45, 128.	1.1	20
43	Vaccination against histomonosis limits pronounced changes of B cells and T-cell subsets in turkeys and chickens. <i>Vaccine</i> , 2017, 35, 4184-4196.	1.7	18
44	Porcine Coccidiosis – Investigations on the Cellular Immune Response against <i>Isospora suis</i> . <i>Parasitology Research</i> , 2009, 105, 151-156.	0.6	17
45	Bovine Peripheral Blood Mononuclear Cells Are More Sensitive to Deoxynivalenol Than Those Derived from Poultry and Swine. <i>Toxins</i> , 2018, 10, 152.	1.5	17
46	Identification of a novel foot-and-mouth disease virus specific T-cell epitope with immunodominant characteristics in cattle with MHC serotype A31. <i>Veterinary Research</i> , 2007, 38, 565-572.	1.1	17
47	Early Responses of Natural Killer Cells in Pigs Experimentally Infected with 2009 Pandemic H1N1 Influenza A Virus. <i>PLoS ONE</i> , 2014, 9, e100619.	1.1	16
48	Natural and inducible Tregs in swine: Helios expression and functional properties. <i>Developmental and Comparative Immunology</i> , 2015, 49, 323-331.	1.0	16
49	Intraepithelial but not lamina propria lymphocytes in the porcine gut are affected by dexamethasone treatment. <i>Veterinary Immunology and Immunopathology</i> , 2005, 105, 125-139.	0.5	15
50	Current knowledge on porcine regulatory T cells. <i>Veterinary Immunology and Immunopathology</i> , 2012, 148, 136-138.	0.5	15
51	Deoxynivalenol Affects Proliferation and Expression of Activation-Related Molecules in Major Porcine T-Cell Subsets. <i>Toxins</i> , 2019, 11, 644.	1.5	15
52	Safety and immune responses after intradermal application of Porcilis PRRS in either the neck or the perianal region. <i>PLoS ONE</i> , 2018, 13, e0203560.	1.1	14
53	Comparative investigation of IFN- γ -producing T cells in chickens and turkeys following vaccination and infection with the extracellular parasite <i>Histomonas meleagridis</i> . <i>Developmental and Comparative Immunology</i> , 2021, 116, 103949.	1.0	14
54	Cytokine production and phenotype of <i>Histomonas meleagridis</i> -specific T cells in the chicken. <i>Veterinary Research</i> , 2019, 50, 107.	1.1	13

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55	NK and T Cell Differentiation at the Maternal-Fetal Interface in Sows During Late Gestation. <i>Frontiers in Immunology</i> , 2020, 11, 582065.	2.2	12
56	Faeces, FACS, and functional assays – preparation of <i>Isospora suis</i> oocyst antigen and representative controls for immunoassays. <i>Parasitology</i> , 2010, 137, 1637-1643.	0.7	11
57	Local and Systemic T Cell Immunity in Fighting Pig Viral and Bacterial Infections. <i>Annual Review of Animal Biosciences</i> , 2022, 10, 349-372.	3.6	11
58	Immunophenotypic Characterization of Peripheral Blast Cells in a Leukemic Miniature Pig. <i>Veterinary Pathology</i> , 2006, 43, 362-367.	0.8	10
59	Immunohistochemical Characterization of Type II Pneumocyte Proliferation after Challenge with Type I Porcine Reproductive and Respiratory Syndrome Virus. <i>Journal of Comparative Pathology</i> , 2013, 149, 322-330.	0.1	10
60	The Immune System of Swine. , 2016, , 538-548.		10
61	Evidence of metabolically active but non-culturable <i>Listeria monocytogenes</i> in long-term growth at 10°C. <i>Research in Microbiology</i> , 2016, 167, 334-343.	1.0	10
62	Comparison of clinical and immunological findings in gnotobiotic piglets infected with <i>Escherichia coli</i> O104:H4 outbreak strain and EHEC O157:H7. <i>Gut Pathogens</i> , 2017, 9, 30.	1.6	10
63	Effect of maternally supplied n-3 and n-6 oils on the fatty acid composition and mononuclear immune cell distribution of lymphatic tissue from the gastrointestinal tract of suckling piglets. <i>Archives of Animal Nutrition</i> , 2011, 65, 341-353.	0.9	9
64	Radiation up-regulates the expression of VEGF in a canine oral melanoma cell line. <i>Journal of Veterinary Science</i> , 2013, 14, 207.	0.5	9
65	Immune response to <i>Cystoisospora suis</i> in piglets: local and systemic changes in T cell subsets and selected mRNA transcripts in the small intestine. <i>Parasite Immunology</i> , 2014, 36, 277-291.	0.7	9
66	Development of a RACE-based RNA-Seq approach to characterize the T-cell receptor repertoire of porcine $\beta\gamma$ T cells. <i>Developmental and Comparative Immunology</i> , 2020, 105, 103575.	1.0	9
67	Deoxynivalenol Has the Capacity to Increase Transcription Factor Expression and Cytokine Production in Porcine T Cells. <i>Frontiers in Immunology</i> , 2020, 11, 2009.	2.2	9
68	Efficacy of a Modified Live Virus Vaccine against Porcine Reproductive and Respiratory Syndrome Virus 1 (PRRSV-1) Administered to 1-Day-Old Piglets in Front of Heterologous PRRSV-1 Challenge. <i>Pathogens</i> , 2021, 10, 1342.	1.2	9
69	Spatial, temporal and molecular dynamics of swine influenza virus-specific CD8 tissue resident memory T cells. <i>Mucosal Immunology</i> , 2022, 15, 428-442.	2.7	9
70	Impact of Specific N-Glycan Modifications on the Use of Plant-Produced SARS-CoV-2 Antigens in Serological Assays. <i>Frontiers in Plant Science</i> , 2021, 12, 747500.	1.7	8
71	Designed SARS-CoV-2 receptor binding domain variants form stable monomers. <i>Biotechnology Journal</i> , 2022, 17, e2100422.	1.8	8
72	Immunophenotype of Peripheral Blood Lymphocytes in Dogs with Inflammatory Bowel Disease. <i>Journal of Veterinary Internal Medicine</i> , 2017, 31, 1730-1739.	0.6	7

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73	Effect of radiation on vascular endothelial growth factor expression in the C2 canine mastocytoma cell line. <i>American Journal of Veterinary Research</i> , 2009, 70, 1141-1150.	0.3	6
74	Influences of intrauterine semen administration on regulatory T lymphocytes in the oestrous mare (<i>Equus caballus</i>). <i>Theriogenology</i> , 2018, 118, 119-125.	0.9	6
75	Human-like Response of Pig T Cells to Superagonistic Anti-CD28 Monoclonal Antibodies. <i>Journal of Immunology</i> , 2021, 207, ji2100174.	0.4	6
76	Expression of CD9 on porcine lymphocytes and its relation to T cell differentiation and cytokine production. <i>Developmental and Comparative Immunology</i> , 2021, 121, 104080.	1.0	5
77	Co-Expression of the B-Cell Key Transcription Factors Blimp-1 and IRF4 Identifies Plasma Cells in the Pig. <i>Frontiers in Immunology</i> , 2022, 13, 854257.	2.2	5
78	Vaccination and Infection of Swine With <i>Salmonella Typhimurium</i> Induces a Systemic and Local Multifunctional CD4+ T-Cell Response. <i>Frontiers in Immunology</i> , 2020, 11, 603089.	2.2	4
79	The Natural Cytotoxicity Receptor NKp44 (NCR2, CD336) Is Expressed on the Majority of Porcine NK Cells Ex Vivo Without Stimulation. <i>Frontiers in Immunology</i> , 2022, 13, 767530.	2.2	4
80	Phenotypic and functional aspects of the neonatal immune system as related to the maternal dietary fatty acid supply of sows. <i>Archives of Animal Nutrition</i> , 2008, 62, 439-453.	0.9	3
81	Immune response of piglets on a PRRSV vaccination "Altered by different feed additives?". <i>Livestock Science</i> , 2015, 174, 96-104.	0.6	3
82	Characteristics of <i>Chlamydia suis</i> Ocular Infection in Pigs. <i>Pathogens</i> , 2021, 10, 1103.	1.2	3
83	Porcine Plasmacytoid Dendritic Cells Are Unique in Their Expression of a Functional NKp46 Receptor. <i>Frontiers in Immunology</i> , 2022, 13, 822258.	2.2	3
84	Identification of CD4+ T cells with T follicular helper cell characteristics in the pig. <i>Developmental and Comparative Immunology</i> , 2022, 134, 104462.	1.0	3
85	Selective contribution of Tyk2 to cell activation by lipopolysaccharide. <i>FEBS Letters</i> , 2008, 582, 3681-3686.	1.3	2
86	Surface Modification of <i>E. coli</i> Outer Membrane Vesicles with Glycosylphosphatidylinositol-Anchored Proteins: Generating Pro/Eukaryote Chimera Constructs. <i>Membranes</i> , 2021, 11, 428.	1.4	2
87	T-Cell Cytokine Response in <i>Salmonella Typhimurium</i> -Vaccinated versus Infected Pigs. <i>Vaccines</i> , 2021, 9, 845.	2.1	2
88	Identification of IL-10 competent B cells in swine. <i>Developmental and Comparative Immunology</i> , 2022, 135, 104488.	1.0	1
89	Characterization of CD79 ⁺ CD21 ⁺ B cells in swine. <i>Veterinary Immunology and Immunopathology</i> , 2009, 128, 274.	0.5	0
90	Exploratory assessment of CD4+ T lymphocytes in brown hares (<i>Lepus europeus</i>) using a cross-reactive anti-rabbit CD4 antibody. <i>Veterinary Immunology and Immunopathology</i> , 2014, 161, 108-115.	0.5	0

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91	Influence of insemination on regulatory T cells in the peripheral blood of estrous mares. Journal of Equine Veterinary Science, 2016, 41, 71.	0.4	0