

Bettina Wagner

List of Publications by Citations

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118
papers

2,562
citations

29
h-index

43
g-index

123
ext. papers

2,968
ext. citations

3
avg, IF

5.09
L-index

#	Paper	IF	Citations
118	Recurrent airway obstruction (RAO) in horses is characterized by IFN-gamma and IL-8 production in bronchoalveolar lavage cells. <i>Veterinary Immunology and Immunopathology</i> , 2003 , 96, 83-91	2	99
117	Development of a bead-based multiplex assay for simultaneous quantification of cytokines in horses. <i>Veterinary Immunology and Immunopathology</i> , 2009 , 127, 242-8	2	92
116	The complete map of the Ig heavy chain constant gene region reveals evidence for seven IgG isotypes and for IgD in the horse. <i>Journal of Immunology</i> , 2004 , 173, 3230-42	5.3	85
115	Susceptibility of white-tailed deer () to SARS-CoV-2. <i>Journal of Virology</i> , 2021 ,	6.6	84
114	The different effector function capabilities of the seven equine IgG subclasses have implications for vaccine strategies. <i>Molecular Immunology</i> , 2008 , 45, 818-27	4.3	77
113	Immunoglobulins and immunoglobulin genes of the horse. <i>Developmental and Comparative Immunology</i> , 2006 , 30, 155-64	3.2	77
112	Monoclonal anti-equine IgE antibodies with specificity for different epitopes on the immunoglobulin heavy chain of native IgE. <i>Veterinary Immunology and Immunopathology</i> , 2003 , 92, 45-60 ²		77
111	Comparison of the efficacy of inactivated combination and modified-live virus vaccines against challenge infection with neuropathogenic equine herpesvirus type 1 (EHV-1). <i>Vaccine</i> , 2006 , 24, 3636-45 ^{4.1}		76
110	Leukocyte-Reduced Platelet-Rich Plasma Normalizes Matrix Metabolism in Torn Human Rotator Cuff Tendons. <i>American Journal of Sports Medicine</i> , 2015 , 43, 2898-906	6.8	67
109	IgE and IgG antibodies in skin allergy of the horse. <i>Veterinary Research</i> , 2006 , 37, 813-25	3.8	67
108	Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction. <i>American Journal of Veterinary Research</i> , 2006 , 67, 669-77	1.1	58
107	Evaluation of immune responses following infection of ponies with an EHV-1 ORF1/2 deletion mutant. <i>Veterinary Research</i> , 2011 , 42, 23	3.8	48
106	Interferon-gamma, interleukin-4 and interleukin-10 production by T helper cells reveals intact Th1 and regulatory TR1 cell activation and a delay of the Th2 cell response in equine neonates and foals. <i>Veterinary Research</i> , 2010 , 41, 47	3.8	47
105	Horse cytokine/IgG fusion proteins--mammalian expression of biologically active cytokines and a system to verify antibody specificity to equine cytokines. <i>Veterinary Immunology and Immunopathology</i> , 2005 , 105, 1-14	2	43
104	Split immunological tolerance to trophoblast. <i>International Journal of Developmental Biology</i> , 2010 , 54, 445-55	1.9	42
103	Characterization of monoclonal antibodies to equine interleukin-10 and detection of T regulatory 1 cells in horses. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 122, 57-64	2	41
102	Monoclonal antibodies to equine CD14. <i>Veterinary Immunology and Immunopathology</i> , 2010 , 138, 149-53 ²		40

101	Antibodies to <i>Borrelia burgdorferi</i> OspA, OspC, OspF, and C6 antigens as markers for early and late infection in dogs. <i>Vaccine Journal</i> , 2012 , 19, 527-35		38
100	IgE in horses: occurrence in health and disease. <i>Veterinary Immunology and Immunopathology</i> , 2009 , 132, 21-30	2	38
99	Immune protection against reinfection with nonprimate hepacivirus. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E2430-E2439	11.5	36
98	Monoclonal antibodies to equine CD23 identify the low-affinity receptor for IgE on subpopulations of IgM+ and IgG1+ B-cells in horses. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 146, 125-34	2	35
97	Development of a multiplex assay for the detection of antibodies to <i>Borrelia burgdorferi</i> in horses and its validation using Bayesian and conventional statistical methods. <i>Veterinary Immunology and Immunopathology</i> , 2011 , 144, 374-81	2	33
96	A comparison of intradermal testing and detection of allergen-specific immunoglobulin E in serum by enzyme-linked immunosorbent assay in horses affected with skin hypersensitivity. <i>Veterinary Immunology and Immunopathology</i> , 2007 , 120, 160-7	2	33
95	A fluorescent bead-based multiplex assay for the simultaneous detection of antibodies to <i>B. burgdorferi</i> outer surface proteins in canine serum. <i>Veterinary Immunology and Immunopathology</i> , 2011 , 140, 190-8	2	32
94	Infection of peripheral blood mononuclear cells with neuropathogenic equine herpesvirus type-1 strain Ab4 reveals intact interferon- γ induction and induces suppression of anti-inflammatory interleukin-10 responses in comparison to other viral strains. <i>Veterinary Immunology and Immunopathology</i> , 2011 , 143, 116-24	2	30
93	Immunological correlates of vaccination and infection for equine herpesvirus 1. <i>Vaccine Journal</i> , 2012 , 19, 235-41		30
92	Diagnosis of <i>Borrelia</i> -associated uveitis in two horses. <i>Veterinary Ophthalmology</i> , 2012 , 15, 398-405	1.4	29
91	Effects of in vitro exposure to hay dust on expression of interleukin-17, -23, -8, and -1beta and chemokine (C-X-C motif) ligand 2 by pulmonary mononuclear cells isolated from horses chronically affected with recurrent airway disease. <i>American Journal of Veterinary Research</i> , 2007 , 68, 1361-9	1.1	29
90	A monoclonal antibody to equine interleukin-4. <i>Veterinary Immunology and Immunopathology</i> , 2006 , 110, 363-7	2	29
89	<i>Culicoides obsoletus</i> extract relevant for diagnostics of insect bite hypersensitivity in horses. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 149, 245-54	2	28
88	Reduced incidence of insect-bite hypersensitivity in Icelandic horses is associated with a down-regulation of interleukin-4 by interleukin-10 and transforming growth factor-beta1. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 122, 65-75	2	28
87	Subpopulations of equine blood lymphocytes expressing regulatory T cell markers. <i>Veterinary Immunology and Immunopathology</i> , 2011 , 140, 90-101	2	27
86	Sensitization of skin mast cells with IgE antibodies to <i>Culicoides</i> allergens occurs frequently in clinically healthy horses. <i>Veterinary Immunology and Immunopathology</i> , 2009 , 132, 53-61	2	27
85	Evolution of the six horse IGHG genes and corresponding immunoglobulin gamma heavy chains. <i>Immunogenetics</i> , 2002 , 54, 353-64	3.2	27
84	Equine herpesvirus type-1 modulates CCL2, CCL3, CCL5, CXCL9, and CXCL10 chemokine expression. <i>Veterinary Immunology and Immunopathology</i> , 2011 , 140, 266-74	2	26

83	A histamine release assay to identify sensitization to Culicoides allergens in horses with skin hypersensitivity. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 126, 302-8	2	26
82	Monoclonal antibodies to equine IgM improve the sensitivity of West Nile virus-specific IgM detection in horses. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 122, 46-56	2	25
81	Production of seven monoclonal equine immunoglobulins isotyped by multiplex analysis. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 153, 187-93	2	24
80	Genomic analysis and mRNA expression of equine type I interferon genes. <i>Journal of Interferon and Cytokine Research</i> , 2013 , 33, 746-59	3.5	24
79	Comparison of TGF-beta 1 concentrations in bronchoalveolar fluid of horses affected with heaves and of normal controls. <i>Veterinary Immunology and Immunopathology</i> , 2004 , 101, 133-41	2	24
78	Antibodies to OspC, OspF and C6 antigens as indicators for infection with <i>Borrelia burgdorferi</i> in horses. <i>Equine Veterinary Journal</i> , 2013 , 45, 533-7	2.4	23
77	Increased IL-4 and decreased regulatory cytokine production following relocation of Icelandic horses from a high to low endoparasite environment. <i>Veterinary Immunology and Immunopathology</i> , 2010 , 133, 40-50	2	23
76	Live-attenuated recombinant equine herpesvirus type 1 (EHV-1) induces a neutralizing antibody response against West Nile virus (WNV). <i>Virus Research</i> , 2007 , 125, 69-78	6.4	23
75	Expression and characterisation of equine interleukin 2 and interleukin 4. <i>Veterinary Immunology and Immunopathology</i> , 2000 , 77, 243-56	2	23
74	Organization of the equine immunoglobulin heavy chain constant region genes; III. Alignment of c mu, c gamma, c epsilon and c alpha genes. <i>Immunobiology</i> , 1998 , 199, 105-18	3.4	22
73	Occurrence of IgE in foals: evidence for transfer of maternal IgE by the colostrum and late onset of endogenous IgE production in the horse. <i>Veterinary Immunology and Immunopathology</i> , 2006 , 110, 269-78	2	21
72	Maternal T-lymphocytes in equine colostrum express a primarily inflammatory phenotype. <i>Veterinary Immunology and Immunopathology</i> , 2014 , 161, 141-50	2	20
71	Equine immunology: offspring of the serum horse. <i>Trends in Immunology</i> , 2002 , 23, 223-5	14.4	20
70	Nucleotide sequence and restriction fragment length polymorphisms of the equine Cvarepsilon gene. <i>Veterinary Immunology and Immunopathology</i> , 2001 , 82, 193-202	2	20
69	Generation and characterization of monoclonal antibodies to equine CD16. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 146, 135-42	2	19
68	Organization of the equine immunoglobulin constant heavy chain genes. I. c epsilon and c alpha genes. <i>Veterinary Immunology and Immunopathology</i> , 1997 , 60, 1-13	2	18
67	Monoclonal antibodies to equine interferon-alpha (IFN-alpha): new tools to neutralize IFN-activity and to detect secreted IFN-alpha. <i>Veterinary Immunology and Immunopathology</i> , 2008 , 125, 315-25	2	18
66	Susceptibility of white-tailed deer (<i>Odocoileus virginianus</i>) to SARS-CoV-2		18

65	Kinetics of plasma procalcitonin, soluble CD14, CCL2 and IL-10 after a sublethal infusion of lipopolysaccharide in horses. <i>Veterinary Immunology and Immunopathology</i> , 2017 , 184, 29-35	2	17
64	Development and characterization of mouse monoclonal antibodies reactive with chicken interleukin-2 receptor β chain (CD25). <i>Veterinary Immunology and Immunopathology</i> , 2011 , 144, 396-404	2	17
63	Serological responses and clinical outcome after vaccination of mares and foals with equine herpesvirus type 1 and 4 (EHV-1 and EHV-4) vaccines. <i>Veterinary Microbiology</i> , 2012 , 160, 9-16	3.3	16
62	Characterization of the horse (<i>Equus caballus</i>) IGHA gene. <i>Immunogenetics</i> , 2003 , 55, 552-60	3.2	16
61	Neonatal Immunization with a Single IL-4/Antigen Dose Induces Increased Antibody Responses after Challenge Infection with Equine Herpesvirus Type 1 (EHV-1) at Weanling Age. <i>PLoS ONE</i> , 2017 , 12, e0169072	3.7	15
60	Induction of interleukin-4 production in neonatal IgE+ cells after crosslinking of maternal IgE. <i>Developmental and Comparative Immunology</i> , 2010 , 34, 436-44	3.2	15
59	Comparison of effectiveness of ceftiofur, doxycycline, and amoxicillin for the treatment of experimentally induced early Lyme borreliosis in dogs. <i>BMC Veterinary Research</i> , 2015 , 11, 163	2.7	14
58	West Nile virus-specific immunoglobulin isotype responses in vaccinated and infected horses. <i>American Journal of Veterinary Research</i> , 2015 , 76, 92-100	1.1	14
57	Longitudinal analysis of allergen-specific IgE and IgG subclasses as potential predictors of insect bite hypersensitivity following first exposure to Culicoides in Icelandic horses. <i>Veterinary Dermatology</i> , 2018 , 29, 51-e22	1.8	13
56	Differential Gene Expression Profiles and Selected Cytokine Protein Analysis of Mediastinal Lymph Nodes of Horses with Chronic Recurrent Airway Obstruction (RAO) Support an Interleukin-17 Immune Response. <i>PLoS ONE</i> , 2015 , 10, e0142622	3.7	13
55	Cytokine production and proliferation upon in vitro oligodeoxyribonucleotide stimulation of equine peripheral blood mononuclear cells. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 146, 113-24	2	13
54	Development and characterization of mouse monoclonal antibodies reactive with chicken CD80. <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2011 , 34, 273-9	2.6	13
53	Development and characterization of mouse monoclonal antibodies reactive with chicken CD83. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 145, 527-33	2	12
52	Generation and characterization of monoclonal antibodies to equine NKp46. <i>Veterinary Immunology and Immunopathology</i> , 2012 , 147, 60-8	2	12
51	Protective effects of passively transferred merozoite-specific antibodies against <i>Theileria equi</i> in horses with severe combined immunodeficiency. <i>Vaccine Journal</i> , 2012 , 19, 100-4		12
50	C-C motif chemokine ligand (CCL) production in equine peripheral blood mononuclear cells identified by newly generated monoclonal antibodies. <i>Veterinary Immunology and Immunopathology</i> , 2018 , 204, 28-39	2	12
49	Humoral and cell-mediated immune response, and growth factor synthesis after direct intraarticular injection of rAAV2-IGF-I and rAAV5-IGF-I in the equine middle carpal joint. <i>Human Gene Therapy</i> , 2015 , 26, 161-71	4.8	11
48	Multispectral fluorescence-activated cell sorting of B and T cell subpopulations from equine peripheral blood. <i>Veterinary Immunology and Immunopathology</i> , 2018 , 199, 22-31	2	11

47	Cellular and humoral immunity in chronic equine laminitis. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 153, 217-26	2	11
46	Equine Mesenchymal Stromal Cells from Different Sources Efficiently Differentiate into Hepatocyte-Like Cells. <i>Tissue Engineering - Part C: Methods</i> , 2016 , 22, 596-607	2.9	11
45	Effects of in vitro exposure to hay dust on expression of interleukin-23, -17, -8, and -1beta and chemokine (C-X-C motif) ligand 2 by pulmonary mononuclear cells from horses susceptible to recurrent airway obstruction. <i>American Journal of Veterinary Research</i> , 2009 , 70, 1277-83	1.1	10
44	Early detection of Mycobacterium avium subsp. paratuberculosis infection in cattle with multiplex-bead based immunoassays. <i>PLoS ONE</i> , 2017 , 12, e0189783	3.7	10
43	Barley produced Culicoides allergens are suitable for monitoring the immune response of horses immunized with E. coli expressed allergens. <i>Veterinary Immunology and Immunopathology</i> , 2018 , 201, 32-37	2	10
42	Comparison of three clinical scoring systems for Culicoides hypersensitivity in a herd of Icelandic horses. <i>Veterinary Dermatology</i> , 2019 , 30, 536-e163	1.8	9
41	Intranasal IgG4/7 antibody responses protect horses against equid herpesvirus-1 (EHV-1) infection including nasal virus shedding and cell-associated viremia. <i>Virology</i> , 2019 , 531, 219-232	3.6	9
40	An investigation of the role of soluble CD14 in hospitalized, sick horses. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 155, 264-9	2	9
39	Changes in Borrelia burgdorferi ELISA antibody over time in both antibiotic treated and untreated horses. <i>Acta Veterinaria Hungarica</i> , 2012 , 60, 421-9	1	9
38	The deletion of the ORF1 and ORF71 genes reduces virulence of the neuropathogenic EHV-1 strain Ab4 without compromising host immunity in horses. <i>PLoS ONE</i> , 2018 , 13, e0206679	3.7	9
37	MHC haplotype diversity in Icelandic horses determined by polymorphic microsatellites. <i>Genes and Immunity</i> , 2019 , 20, 660-670	4.4	8
36	Safety Profile of a Virus-Like Particle-Based Vaccine Targeting Self-Protein Interleukin-5 in Horses. <i>Vaccines</i> , 2020 , 8,	5.3	8
35	Vaccination of horses with Lyme vaccines for dogs induces short-lasting antibody responses. <i>Vaccine</i> , 2017 , 35, 4140-4147	4.1	8
34	CXCL10 production in equine monocytes is stimulated by interferon-gamma. <i>Veterinary Immunology and Immunopathology</i> , 2019 , 207, 25-30	2	8
33	Equine Arteritis Virus Elicits a Mucosal Antibody Response in the Reproductive Tract of Persistently Infected Stallions. <i>Vaccine Journal</i> , 2017 , 24,		7
32	Cloning and functional characterization of recombinant equine P-selectin. <i>Veterinary Immunology and Immunopathology</i> , 2007 , 116, 115-30	2	7
31	Phenotype and function of IgE-binding monocytes in equine Culicoides hypersensitivity. <i>PLoS ONE</i> , 2020 , 15, e0233537	3.7	7
30	Quantification of equine immunoglobulin A in serum and secretions by a fluorescent bead-based assay. <i>Veterinary Immunology and Immunopathology</i> , 2017 , 188, 12-20	2	6

29	Identification of equine P-selectin glycoprotein ligand-1 (CD162). <i>Mammalian Genome</i> , 2005 , 16, 66-71	3.2	6
28	Deletion of the ORF2 gene of the neuropathogenic equine herpesvirus type 1 strain Ab4 reduces virulence while maintaining strong immunogenicity. <i>BMC Veterinary Research</i> , 2018 , 14, 245	2.7	6
27	Mesenchymal stromal cell-secreted CCL2 promotes antibacterial defense mechanisms through increased antimicrobial peptide expression in keratinocytes. <i>Stem Cells Translational Medicine</i> , 2021 , 10, 1666-1679	6.9	6
26	An Equine Herpesvirus Type 1 (EHV-1) Ab4 Open Reading Frame 2 Deletion Mutant Provides Immunity and Protection from EHV-1 Infection and Disease. <i>Journal of Virology</i> , 2019 , 93,	6.6	5
25	The expression of equine keratins K42 and K124 is restricted to the hoof epidermal lamellae of <i>Equus caballus</i> . <i>PLoS ONE</i> , 2019 , 14, e0219234	3.7	5
24	Can levamisole upregulate the equine cell-mediated macrophage (M1) dendritic cell (DC1) T-helper 1 (CD4 Th1) T-cytotoxic (CD8) immune response in vitro?. <i>Journal of Veterinary Internal Medicine</i> , 2019 , 33, 889-896	3.1	5
23	New mAbs facilitate quantification of secreted equine TNF- α and flow cytometric analysis in monocytes and T cells. <i>Veterinary Immunology and Immunopathology</i> , 2021 , 238, 110284	2	5
22	Cul o 2 specific IgG3/5 antibodies predicted <i>Culicoides</i> hypersensitivity in a group imported Icelandic horses. <i>BMC Veterinary Research</i> , 2020 , 16, 283	2.7	4
21	The Immune System of Horses and Other Equids 2016 , 549-555		4
20	Detection of <i>Borrelia burgdorferi</i> outer surface protein antibodies in wild white-tailed deer (<i>Odocoileus virginianus</i>) in New York and Pennsylvania, USA. <i>Veterinary Immunology and Immunopathology</i> , 2013 , 153, 165-9	2	3
19	The Natural Cytotoxicity Receptor NKp44 (NCR2, CD336) Is Expressed on the Majority of Porcine NK Cells Without Stimulation.. <i>Frontiers in Immunology</i> , 2022 , 13, 767530	8.4	3
18	Immediate-early protein of equid herpesvirus type 1 as a target for cytotoxic T-lymphocytes in the Thoroughbred horse. <i>Journal of General Virology</i> , 2014 , 95, 1783-1789	4.9	3
17	IgE-Binding Monocytes Have an Enhanced Ability to Produce IL-8 (CXCL8) in Animals with Naturally Occurring Allergy. <i>Journal of Immunology</i> , 2021 , 206, 2312-2321	5.3	3
16	The effect of maternal immunity on the equine gammaherpesvirus type 2 and 5 viral load and antibody response. <i>PLoS ONE</i> , 2019 , 14, e0218576	3.7	2
15	A monoclonal antibody for detection of intracellular and secreted interleukin-2 in horses. <i>Veterinary Immunology and Immunopathology</i> , 2017 , 191, 30-35	2	1
14	Generation and characterization of a monoclonal antibody against canine tissue factor. <i>Veterinary Immunology and Immunopathology</i> , 2015 , 167, 178-84	2	1
13	Development of a quantitative COVID-19 multiplex assay and its use for serological surveillance in a low SARS-CoV-2 incidence community.. <i>PLoS ONE</i> , 2022 , 17, e0262868	3.7	1
12	Development of monoclonal antibodies for quantification of bovine tumor necrosis factor- α <i>JDS Communications</i> , 2021 ,	1.4	1

11	Peripheral blood basophils are the main source for early interleukin-4 secretion upon in vitro stimulation with Culicoides allergen in allergic horses. <i>PLoS ONE</i> , 2021 , 16, e0252243	3.7	1
10	Viral infection and allergy - What equine immune responses can tell us about disease severity and protection. <i>Molecular Immunology</i> , 2021 , 135, 329-341	4.3	1
9	Hyaluronic acid synthesis, degradation, and crosslinking in equine osteoarthritis: TNF- α /TSG-6-mediated HC-HA formation. <i>Arthritis Research and Therapy</i> , 2021 , 23, 218	5.7	1
8	Development of a bead-based multiplex assay to quantify bovine interleukin-10, tumor necrosis factor- α and interferon- γ concentrations in plasma and cell culture supernatant. <i>JDS Communications</i> , 2022 ,	1.4	1
7	Horses affected by EPM have increased sCD14 compared to healthy horses. <i>Veterinary Immunology and Immunopathology</i> , 2021 , 242, 110338	2	0
6	Investigation of synovial fluid lubricants and inflammatory cytokines in the horse: a comparison of recombinant equine interleukin 1 beta-induced synovitis and joint lavage models. <i>BMC Veterinary Research</i> , 2021 , 17, 189	2.7	0
5	CD154 Expression Indicates T Cell Activation Following Tetanus Toxoid Vaccination of Horses.. <i>Frontiers in Immunology</i> , 2022 , 13, 805026	8.4	0
4	<i>Borrelia burgdorferi</i> 2017 , 191-196		
3	IgG4/7 responses correlate with contraception in mares vaccinated with SpayVac. <i>Theriogenology</i> , 2018 , 121, 168-174	2.8	
2	Pathogenesis and Epidemiology of Culicoides Hypersensitivity 2013 , 271-278		
1	The Effect of Uterine Lavage on Soluble CD14, Chemokine Ligand 2, and Interleukin 10 Levels in Mares With Postpartum Metritis. <i>Journal of Equine Veterinary Science</i> , 2021 , 98, 103365	1.2	