Bettina Wagner

List of Publications by Year in Descending Order

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	The Natural Cytotoxicity Receptor NKp44 (NCR2, CD336) Is Expressed on the Majority of Porcine NK Cells Without Stimulation.. *Frontiers in Immunology*, **2022**, 13, 767530	8.4	3
117	Development of a quantitative COVID-19 multiplex assay and its use for serological surveillance in a low SARS-CoV-2 incidence community.. *PLoS ONE*, **2022**, 17, e0262868	3.7	1
116	Development of a bead-based multiplex assay to quantify bovine interleukin-10, tumor necrosis factor- and interferon- concentrations in plasma and cell culture supernatant. *JDS Communications*, **2022**,	1.4	1
115	CD154 Expression Indicates T Cell Activation Following Tetanus Toxoid Vaccination of Horses.. *Frontiers in Immunology*, **2022**, 13, 805026	8.4	0
114	Development of monoclonal antibodies for quantification of bovine tumor necrosis factor- *JDS Communications*, **2021**,	1.4	1
113	Horses affected by EPM have increased sCD14 compared to healthy horses. *Veterinary Immunology and Immunopathology*, **2021**, 242, 110338	2	0
112	The Effect of Uterine Lavage on Soluble CD14, Chemokine Ligand 2, and Interleukin 10 Levels in Mares With Postpartum Metritis. *Journal of Equine Veterinary Science*, **2021**, 98, 103365	1.2	
111	Peripheral blood basophils are the main source for early interleukin-4 secretion upon in vitro stimulation with Culicoides allergen in allergic horses. *PLoS ONE*, **2021**, 16, e0252243	3.7	1
110	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. *BMC Veterinary Research*, **2021**, 17, 189	2.7	0
109	Susceptibility of white-tailed deer () to SARS-CoV-2. *Journal of Virology*, **2021**,	6.6	84
108	IgE-Binding Monocytes Have an Enhanced Ability to Produce IL-8 (CXCL8) in Animals with Naturally Occurring Allergy. *Journal of Immunology*, **2021**, 206, 2312-2321	5.3	3
107	Viral infection and allergy - What equine immune responses can tell us about disease severity and protection. *Molecular Immunology*, **2021**, 135, 329-341	4.3	1
106	Hyaluronic acid synthesis, degradation, and crosslinking in equine osteoarthritis: TNF- TSG-6-mediated HC-HA formation. *Arthritis Research and Therapy*, **2021**, 23, 218	5.7	1
105	New mAbs facilitate quantification of secreted equine TNF- and flow cytometric analysis in monocytes and T cells. *Veterinary Immunology and Immunopathology*, **2021**, 238, 110284	2	5
104	Mesenchymal stromal cell-secreted CCL2 promotes antibacterial defense mechanisms through increased antimicrobial peptide expression in keratinocytes. *Stem Cells Translational Medicine*, **2021**, 10, 1666-1679	6.9	6
103	Safety Profile of a Virus-Like Particle-Based Vaccine Targeting Self-Protein Interleukin-5 in Horses. *Vaccines*, **2020**, 8,	5.3	8
102	Phenotype and function of IgE-binding monocytes in equine Culicoides hypersensitivity. *PLoS ONE*, **2020**, 15, e0233537	3.7	7

101	Cul o 2 specific IgG3/5 antibodies predicted Culicoides hypersensitivity in a group imported Icelandic horses. *BMC Veterinary Research*, **2020**, 16, 283	2.7	4
100	Comparison of three clinical scoring systems for Culicoides hypersensitivity in a herd of Icelandic horses. *Veterinary Dermatology*, **2019**, 30, 536-e163	1.8	9
99	An Equine Herpesvirus Type 1 (EHV-1) Ab4 Open Reading Frame 2 Deletion Mutant Provides Immunity and Protection from EHV-1 Infection and Disease. *Journal of Virology*, **2019**, 93,	6.6	5
98	The expression of equine keratins K42 and K124 is restricted to the hoof epidermal lamellae of Equus caballus. *PLoS ONE*, **2019**, 14, e0219234	3.7	5
97	MHC haplotype diversity in Icelandic horses determined by polymorphic microsatellites. *Genes and Immunity*, **2019**, 20, 660-670	4.4	8
96	Intranasal IgG4/7 antibody responses protect horses against equid herpesvirus-1 (EHV-1) infection including nasal virus shedding and cell-associated viremia. *Virology*, **2019**, 531, 219-232	3.6	9
95	The effect of maternal immunity on the equine gammaherpesvirus type 2 and 5 viral load and antibody response. *PLoS ONE*, **2019**, 14, e0218576	3.7	2
94	Can levamisole upregulate the equine cell-mediated macrophage (M1) dendritic cell (DC1) T-helper 1 (CD4 Th1) T-cytotoxic (CD8) immune response in vitro?. *Journal of Veterinary Internal Medicine*, **2019**, 33, 889-896	3.1	5
93	CXCL10 production in equine monocytes is stimulated by interferon-gamma. *Veterinary Immunology and Immunopathology*, **2019**, 207, 25-30	2	8
92	Multispectral fluorescence-activated cell sorting of B and T cell subpopulations from equine peripheral blood. *Veterinary Immunology and Immunopathology*, **2018**, 199, 22-31	2	11
91	Longitudinal analysis of allergen-specific IgE and IgG subclasses as potential predictors of insect bite hypersensitivity following first exposure to Culicoides in Icelandic horses. *Veterinary Dermatology*, **2018**, 29, 51-e22	1.8	13
90	IgG4/7 responses correlate with contraception in mares vaccinated with SpayVac. *Theriogenology*, **2018**, 121, 168-174	2.8	
89	The deletion of the ORF1 and ORF71 genes reduces virulence of the neuropathogenic EHV-1 strain Ab4 without compromising host immunity in horses. *PLoS ONE*, **2018**, 13, e0206679	3.7	9
88	C-C motif chemokine ligand (CCL) production in equine peripheral blood mononuclear cells identified by newly generated monoclonal antibodies. *Veterinary Immunology and Immunopathology*, **2018**, 204, 28-39	2	12
87	Deletion of the ORF2 gene of the neuropathogenic equine herpesvirus type 1 strain Ab4 reduces virulence while maintaining strong immunogenicity. *BMC Veterinary Research*, **2018**, 14, 245	2.7	6
86	Barley produced Culicoides allergens are suitable for monitoring the immune response of horses immunized with E. coli expressed allergens. *Veterinary Immunology and Immunopathology*, **2018**, 201, 32-37	2	10
85	Kinetics of plasma procalcitonin, soluble CD14, CCL2 and IL-10 after a sublethal infusion of lipopolysaccharide in horses. *Veterinary Immunology and Immunopathology*, **2017**, 184, 29-35	2	17
84	Immune protection against reinfection with nonprimate hepacivirus. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, E2430-E2439	11.5	36

83	Quantification of equine immunoglobulin A in serum and secretions by a fluorescent bead-based assay. *Veterinary Immunology and Immunopathology*, **2017**, 188, 12-20	2	6
82	Borrelia burgdorferi **2017**, 191-196		
81	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. *PLoS ONE*, **2017**, 12, e0169072	3.7	15
80	Equine Arteritis Virus Elicits a Mucosal Antibody Response in the Reproductive Tract of Persistently Infected Stallions. *Vaccine Journal*, **2017**, 24,		7
79	A monoclonal antibody for detection of intracellular and secreted interleukin-2 in horses. *Veterinary Immunology and Immunopathology*, **2017**, 191, 30-35	2	1
78	Vaccination of horses with Lyme vaccines for dogs induces short-lasting antibody responses. *Vaccine*, **2017**, 35, 4140-4147	4.1	8
77	Early detection of Mycobacterium avium subsp. paratuberculosis infection in cattle with multiplex-bead based immunoassays. *PLoS ONE*, **2017**, 12, e0189783	3.7	10
76	The Immune System of Horses and Other Equids **2016**, 549-555		4
75	Equine Mesenchymal Stromal Cells from Different Sources Efficiently Differentiate into Hepatocyte-Like Cells. *Tissue Engineering - Part C: Methods*, **2016**, 22, 596-607	2.9	11
74	Comparison of effectiveness of cefovecin, doxycycline, and amoxicillin for the treatment of experimentally induced early Lyme borreliosis in dogs. *BMC Veterinary Research*, **2015**, 11, 163	2.7	14
73	Leukocyte-Reduced Platelet-Rich Plasma Normalizes Matrix Metabolism in Torn Human Rotator Cuff Tendons. *American Journal of Sports Medicine*, **2015**, 43, 2898-906	6.8	67
72	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. *Human Gene Therapy*, **2015**, 26, 161-71	4.8	11
71	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. *PLoS ONE*, **2015**, 10, e0142622	3.7	13
70	Generation and characterization of a monoclonal antibody against canine tissue factor. *Veterinary Immunology and Immunopathology*, **2015**, 167, 178-84	2	1
69	West Nile virus-specific immunoglobulin isotype responses in vaccinated and infected horses. *American Journal of Veterinary Research*, **2015**, 76, 92-100	1.1	14
68	Maternal T-lymphocytes in equine colostrum express a primarily inflammatory phenotype. *Veterinary Immunology and Immunopathology*, **2014**, 161, 141-50	2	20
67	Immediate-early protein of equid herpesvirus type 1 as a target for cytotoxic T-lymphocytes in the Thoroughbred horse. *Journal of General Virology*, **2014**, 95, 1783-1789	4.9	3
66	Pathogenesis and Epidemiology of Culicoides Hypersensitivity **2013**, 271-278		

65	An investigation of the role of soluble CD14 in hospitalized, sick horses. *Veterinary Immunology and Immunopathology*, **2013**, 155, 264-9	2	9
64	Cellular and humoral immunity in chronic equine laminitis. *Veterinary Immunology and Immunopathology*, **2013**, 153, 217-26	2	11
63	Detection of Borrelia burgdorferi outer surface protein antibodies in wild white-tailed deer (Odocoileus virginianus) in New York and Pennsylvania, USA. *Veterinary Immunology and Immunopathology*, **2013**, 153, 165-9	2	3
62	Production of seven monoclonal equine immunoglobulins isotyped by multiplex analysis. *Veterinary Immunology and Immunopathology*, **2013**, 153, 187-93	2	24
61	Antibodies to OspC, OspF and C6 antigens as indicators for infection with Borrelia burgdorferi in horses. *Equine Veterinary Journal*, **2013**, 45, 533-7	2.4	23
60	Genomic analysis and mRNA expression of equine type I interferon genes. *Journal of Interferon and Cytokine Research*, **2013**, 33, 746-59	3.5	24
59	Diagnosis of Borrelia-associated uveitis in two horses. *Veterinary Ophthalmology*, **2012**, 15, 398-405	1.4	29
58	Culicoides obsoletus extract relevant for diagnostics of insect bite hypersensitivity in horses. *Veterinary Immunology and Immunopathology*, **2012**, 149, 245-54	2	28
57	Serological responses and clinical outcome after vaccination of mares and foals with equine herpesvirus type 1 and 4 (EHV-1 and EHV-4) vaccines. *Veterinary Microbiology*, **2012**, 160, 9-16	3.3	16
56	Antibodies to Borrelia burgdorferi OspA, OspC, OspF, and C6 antigens as markers for early and late infection in dogs. *Vaccine Journal*, **2012**, 19, 527-35		38
55	Development and characterization of mouse monoclonal antibodies reactive with chicken CD83. *Veterinary Immunology and Immunopathology*, **2012**, 145, 527-33	2	12
54	Cytokine production and proliferation upon in vitro oligodeoxyribonucleotide stimulation of equine peripheral blood mononuclear cells. *Veterinary Immunology and Immunopathology*, **2012**, 146, 113-24	2	13
53	Generation and characterization of monoclonal antibodies to equine CD16. *Veterinary Immunology and Immunopathology*, **2012**, 146, 135-42	2	19
52	Monoclonal antibodies to equine CD23 identify the low-affinity receptor for IgE on subpopulations of IgM+ and IgG1+ B-cells in horses. *Veterinary Immunology and Immunopathology*, **2012**, 146, 125-34	2	35
51	Generation and characterization of monoclonal antibodies to equine NKp46. *Veterinary Immunology and Immunopathology*, **2012**, 147, 60-8	2	12
50	Protective effects of passively transferred merozoite-specific antibodies against Theileria equi in horses with severe combined immunodeficiency. *Vaccine Journal*, **2012**, 19, 100-4		12
49	Immunological correlates of vaccination and infection for equine herpesvirus 1. *Vaccine Journal*, **2012**, 19, 235-41		30
48	Changes in Borrelia burgdorferi ELISA antibody over time in both antibiotic treated and untreated horses. *Acta Veterinaria Hungarica*, **2012**, 60, 421-9	1	9

47	Subpopulations of equine blood lymphocytes expressing regulatory T cell markers. *Veterinary Immunology and Immunopathology*, **2011**, 140, 90-101	2	27
46	A fluorescent bead-based multiplex assay for the simultaneous detection of antibodies to B. burgdorferi outer surface proteins in canine serum. *Veterinary Immunology and Immunopathology*, **2011**, 140, 190-8	2	32
45	Equine herpesvirus type-1 modulates CCL2, CCL3, CCL5, CXCL9, and CXCL10 chemokine expression. *Veterinary Immunology and Immunopathology*, **2011**, 140, 266-74	2	26
44	Infection of peripheral blood mononuclear cells with neuropathogenic equine herpesvirus type-1 strain Ab4 reveals intact interferon-β induction and induces suppression of anti-inflammatory interleukin-10 responses in comparison to other viral strains. *Veterinary Immunology and Immunopathology*, **2011**, 143, 116-24	2	30
43	Development and characterization of mouse monoclonal antibodies reactive with chicken interleukin-2 receptor alpha chain (CD25). *Veterinary Immunology and Immunopathology*, **2011**, 144, 396-404	2	17
42	Development of a multiplex assay for the detection of antibodies to Borrelia burgdorferi in horses and its validation using Bayesian and conventional statistical methods. *Veterinary Immunology and Immunopathology*, **2011**, 144, 374-81	2	33
41	Evaluation of immune responses following infection of ponies with an EHV-1 ORF1/2 deletion mutant. *Veterinary Research*, **2011**, 42, 23	3.8	48
40	Development and characterization of mouse monoclonal antibodies reactive with chicken CD80. *Comparative Immunology, Microbiology and Infectious Diseases*, **2011**, 34, 273-9	2.6	13
39	Split immunological tolerance to trophoblast. *International Journal of Developmental Biology*, **2010**, 54, 445-55	1.9	42
38	Induction of interleukin-4 production in neonatal IgE+ cells after crosslinking of maternal IgE. *Developmental and Comparative Immunology*, **2010**, 34, 436-44	3.2	15
37	Increased IL-4 and decreased regulatory cytokine production following relocation of Icelandic horses from a high to low endoparasite environment. *Veterinary Immunology and Immunopathology*, **2010**, 133, 40-50	2	23
36	Monoclonal antibodies to equine CD14. *Veterinary Immunology and Immunopathology*, **2010**, 138, 149-53	2	40
35	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. *Veterinary Research*, **2010**, 41, 47	3.8	47
34	Development of a bead-based multiplex assay for simultaneous quantification of cytokines in horses. *Veterinary Immunology and Immunopathology*, **2009**, 127, 242-8	2	92
33	IgE in horses: occurrence in health and disease. *Veterinary Immunology and Immunopathology*, **2009**, 132, 21-30	2	38
32	Sensitization of skin mast cells with IgE antibodies to Culicoides allergens occurs frequently in clinically healthy horses. *Veterinary Immunology and Immunopathology*, **2009**, 132, 53-61	2	27
31	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. *American Journal of Veterinary Research*, **2009**, 70, 1277-83	1.1	10
30	The different effector function capabilities of the seven equine IgG subclasses have implications for vaccine strategies. *Molecular Immunology*, **2008**, 45, 818-27	4.3	77

29	Characterization of monoclonal antibodies to equine interleukin-10 and detection of T regulatory 1 cells in horses. *Veterinary Immunology and Immunopathology*, **2008**, 122, 57-64	2	41
28	Monoclonal antibodies to equine IgM improve the sensitivity of West Nile virus-specific IgM detection in horses. *Veterinary Immunology and Immunopathology*, **2008**, 122, 46-56	2	25
27	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. *Veterinary Immunology and Immunopathology*, **2008**, 122, 65-75	2	28
26	Monoclonal antibodies to equine interferon-alpha (IFN-alpha): new tools to neutralize IFN-activity and to detect secreted IFN-alpha. *Veterinary Immunology and Immunopathology*, **2008**, 125, 315-25	2	18
25	A histamine release assay to identify sensitization to Culicoides allergens in horses with skin hypersensitivity. *Veterinary Immunology and Immunopathology*, **2008**, 126, 302-8	2	26
24	Cloning and functional characterization of recombinant equine P-selectin. *Veterinary Immunology and Immunopathology*, **2007**, 116, 115-30	2	7
23	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. *Veterinary Immunology and Immunopathology*, **2007**, 120, 160-7	2	33
22	Live-attenuated recombinant equine herpesvirus type 1 (EHV-1) induces a neutralizing antibody response against West Nile virus (WNV). *Virus Research*, **2007**, 125, 69-78	6.4	23
21	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. *American Journal of Veterinary Research*, **2007**, 68, 1361-9	1.1	29
20	Time-dependent alterations in gene expression of interleukin-8 in the bronchial epithelium of horses with recurrent airway obstruction. *American Journal of Veterinary Research*, **2006**, 67, 669-77	1.1	58
19	IgE and IgG antibodies in skin allergy of the horse. *Veterinary Research*, **2006**, 37, 813-25	3.8	67
18	Immunoglobulins and immunoglobulin genes of the horse. *Developmental and Comparative Immunology*, **2006**, 30, 155-64	3.2	77
17	Occurrence of IgE in foals: evidence for transfer of maternal IgE by the colostrum and late onset of endogenous IgE production in the horse. *Veterinary Immunology and Immunopathology*, **2006**, 110, 269-78	2	21
16	A monoclonal antibody to equine interleukin-4. *Veterinary Immunology and Immunopathology*, **2006**, 110, 363-7	2	29
15	Comparison of the efficacy of inactivated combination and modified-live virus vaccines against challenge infection with neuropathogenic equine herpesvirus type 1 (EHV-1). *Vaccine*, **2006**, 24, 3636-45	4.1	76
14	Horse cytokine/IgG fusion proteins--mammalian expression of biologically active cytokines and a system to verify antibody specificity to equine cytokines. *Veterinary Immunology and Immunopathology*, **2005**, 105, 1-14	2	43
13	Identification of equine P-selectin glycoprotein ligand-1 (CD162). *Mammalian Genome*, **2005**, 16, 66-71	3.2	6
12	The complete map of the Ig heavy chain constant gene region reveals evidence for seven IgG isotypes and for IgD in the horse. *Journal of Immunology*, **2004**, 173, 3230-42	5.3	85

11	Comparison of TGF-beta 1 concentrations in bronchoalveolar fluid of horses affected with heaves and of normal controls. *Veterinary Immunology and Immunopathology*, **2004**, 101, 133-41	2	24
10	Characterization of the horse (Equus caballus) IGHA gene. *Immunogenetics*, **2003**, 55, 552-60	3.2	16
9	Monoclonal anti-equine IgE antibodies with specificity for different epitopes on the immunoglobulin heavy chain of native IgE. *Veterinary Immunology and Immunopathology*, **2003**, 92, 45-60	2	77
8	Recurrent airway obstruction (RAO) in horses is characterized by IFN-gamma and IL-8 production in bronchoalveolar lavage cells. *Veterinary Immunology and Immunopathology*, **2003**, 96, 83-91	2	99
7	Evolution of the six horse IGHG genes and corresponding immunoglobulin gamma heavy chains. *Immunogenetics*, **2002**, 54, 353-64	3.2	27
6	Equine immunology: offspring of the serum horse. *Trends in Immunology*, **2002**, 23, 223-5	14.4	20
5	Nucleotide sequence and restriction fragment length polymorphisms of the equine Cvarepsilon gene. *Veterinary Immunology and Immunopathology*, **2001**, 82, 193-202	2	20
4	Expression and characterisation of equine interleukin 2 and interleukin 4. *Veterinary Immunology and Immunopathology*, **2000**, 77, 243-56	2	23
3	Organization of the equine immunoglobulin heavy chain constant region genes; III. Alignment of c mu, c gamma, c epsilon and c alpha genes. *Immunobiology*, **1998**, 199, 105-18	3.4	22
2	Organization of the equine immunoglobulin constant heavy chain genes. I. c epsilon and c alpha genes. *Veterinary Immunology and Immunopathology*, **1997**, 60, 1-13	2	18
1	Susceptibility of white-tailed deer (Odocoileus virginianus) to SARS-CoV-2		18