Marcus E Kehrli

List of Publications by Year
in descending order

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85 papers	3,270 citations	126907 33 h-index	161849 54 g-index
85 all docs	85 docs citations	85 times ranked	2779 citing authors

#	Article	IF	Citations
1	Regulation of L-selectin and CD18 on bovine neutrophils by glucocorticoids: effects of cortisol and dexamethasone. Journal of Leukocyte Biology, 1995, 57, 317-325.	3.3	238
2	Factors Affecting Milk Somatic Cells and Their Role in Health of the Bovine Mammary Gland. Journal of Dairy Science, 1994, 77, 619-627.	3.4	203
3	Genomic sequence and virulence comparison of four Type 2 porcine reproductive and respiratory syndrome virus strains. Virus Research, 2012, 169, 212-221.	2.2	128
4	Enhanced pneumonia and disease in pigs vaccinated with an inactivated human-like (Î´-cluster) H1N2 vaccine and challenged with pandemic 2009 H1N1 influenza virus. Vaccine, 2011, 29, 2712-2719.	3.8	109
5	Immunity in The Mammary Gland. Veterinary Clinics of North America - Food Animal Practice, 2001, 17, 495-516.	1.2	105
6	Effects of the Presence of the Mammary Gland on Expression of Neutrophil Adhesion Molecules and Myeloperoxidase Activity in Periparturient Dairy Cows. Journal of Dairy Science, 1999, 82, 2385-2392.	3.4	99
7	Experimental infection of United States swine with a Chinese highly pathogenic strain of porcine reproductive and respiratory syndrome virus. Virology, 2013, 435, 372-384.	2.4	98
8	Cell Adhesion Molecules, Leukocyte Trafficking, and Strategies to Reduce Leukocyte Infiltration. Journal of Veterinary Internal Medicine, 2001, 15, 516-529.	1.6	97
9	A colorimetric assay for quantitating bovine neutrophil bactericidal activity. Veterinary Immunology and Immunopathology, 1991, 28, 45-56.	1.2	91
10	Periparturient Hypocalcemia in Cows: Effects on Peripheral Blood Neutrophil and Lymphocyte Function. Journal of Dairy Science, 1989, 72, 1188-1196.	3.4	88
11	Efficacy in Pigs of Inactivated and Live Attenuated Influenza Virus Vaccines against Infection and Transmission of an Emerging H3N2 Similar to the 2011-2012 H3N2v. Journal of Virology, 2013, 87, 9895-9903.	3.4	88
12	Bovine Lymphocyte Antigen Class II Alleles as Risk Factors for High Somatic Cell Counts in Milk of Lactating Dairy Cows. Journal of Dairy Science, 1997, 80, 406-412.	3.4	87
13	Efficacy of inactivated swine influenza virus vaccines against the 2009 A/H1N1 influenza virus in pigs. Vaccine, 2010, 28, 2782-2787.	3.8	82
14	Immunological Parameters of Periparturient Holstein Cattle: Genetic Variation. Journal of Dairy Science, 1994, 77, 2640-2650.	3.4	75
15	Experimental inoculation of pigs with pandemic H1N1 2009 virus and HI crossâ€reactivity with contemporary swine influenza virus antisera. Influenza and Other Respiratory Viruses, 2010, 4, 53-60.	3.4	66
16	Vaccination with NS1-truncated H3N2 swine influenza virus primes T cells and confers cross-protection against an H1N1 heterosubtypic challenge in pigs. Vaccine, 2012, 30, 280-288.	3.8	61
17	Live attenuated influenza A virus vaccine protects against A(H1N1)pdm09 heterologous challenge without vaccine associated enhanced respiratory disease. Virology, 2014, 471-473, 93-104.	2.4	60
18	Identification of a Heritable Polymorphism in Bovine PRNP Associated with Genetic Transmissible Spongiform Encephalopathy: Evidence of Heritable BSE. PLoS ONE, 2008, 3, e2912.	2.5	59

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19	Effects of Mastectomy on Composition of Peripheral Blood Mononuclear Cell Populations in Periparturient Dairy Cows. Journal of Dairy Science, 2002, 85, 1437-1444.	3.4	58
20	Sequence of the bovine CD18-encoding cDNA: comparison with the human and murine glycoproteins. Gene, 1992, 114, 267-271.	2.2	55
21	DNA Vaccination Elicits Protective Immune Responses against Pandemic and Classic Swine Influenza Viruses in Pigs. Vaccine Journal, 2011, 18, 1987-1995.	3.1	52
22	Intranasal Vaccination with Replication-Defective Adenovirus Type 5 Encoding Influenza Virus Hemagglutinin Elicits Protective Immunity to Homologous Challenge and Partial Protection to Heterologous Challenge in Pigs. Vaccine Journal, 2012, 19, 1722-1729.	3.1	51
23	Effects of Granulocyte Colony-Stimulating Factor Administration to Periparturient Cows on Neutrophils and Bacterial Shedding. Journal of Dairy Science, 1991, 74, 2448-2458.	3.4	47
24	Immunobiology of Hematopoietic Colony-Stimulating Factors: Potential Application to Disease Prevention in the Bovine. Journal of Dairy Science, 1991, 74, 4399-4412.	3.4	46
25	Integrin Mac-1 and Î²-amyloid in microglial release of nitric oxide. Brain Research, 1997, 768, 279-286.	2.2	46
26	Bovine sire effects on daughters' in vitro blood neutrophil functions, lymphocyte blastogenesis, serum complement and conglutinin levels. Veterinary Immunology and Immunopathology, 1991, 27, 303-319.	1.2	43
27	In vivo growth of porcine reproductive and respiratory syndrome virus engineered nsp2 deletion mutants. Virus Research, 2010, 154, 77-85.	2.2	43
28	Role of Toll-Like Receptors in Activation of Porcine Alveolar Macrophages by Porcine Reproductive and Respiratory Syndrome Virus. Vaccine Journal, 2009, 16, 360-365.	3.1	42
29	Infection with Porcine reproductive and respiratory syndrome virus stimulates an early gamma interferon response in the serum of pigs. Canadian Journal of Veterinary Research, 2006, 70, 176-82.	1.1	42
30	Virulence, Transmission, and Heterologous Protection of Four Isolates of Haemophilus parasuis. Vaccine Journal, 2013, 20, 1466-1472.	3.1	40
31	The Bordetella bronchiseptica Type III Secretion System Is Required for Persistence and Disease Severity but Not Transmission in Swine. Infection and Immunity, 2014, 82, 1092-1103.	2.2	38
32	Periparturient Hypocalcemia in Cows: Prevention Using Intramuscular Parathyroid Hormone. Journal of Dairy Science, 1989, 72, 1182-1187.	3.4	37
33	A divergent clade of circular single-stranded DNA viruses from pig feces. Archives of Virology, 2013, 158, 2157-2162.	2.1	35
34	The Presence of Alpha Interferon at the Time of Infection Alters the Innate and Adaptive Immune Responses to Porcine Reproductive and Respiratory Syndrome Virus. Vaccine Journal, 2012, 19, 508-514.	3.1	34
35	Adenovirus-Mediated Expression of Interferon-Î± Delays Viral Replication and Reduces Disease Signs in Swine Challenged with Porcine Reproductive and Respiratory Syndrome Virus. Viral Immunology, 2009, 22, 173-180.	1.3	33
36	Reactomes of Porcine Alveolar Macrophages Infected with Porcine Reproductive and Respiratory Syndrome Virus. PLoS ONE, 2013, 8, e59229.	2.5	33

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37	Efficacy of Type 2 PRRSV vaccine against Chinese and Vietnamese HP-PRRSV challenge in pigs. Vaccine, 2014, 32, 6457-6462.	3.8	33
38	Experimental interspecies transmission studies of the transmissible spongiform encephalopathies to cattle. Journal of Veterinary Diagnostic Investigation, 2011, 23, 407-420.	1.1	32
39	Analysis of the swine tracheobronchial lymph node transcriptomic response to infection with a Chinese highly pathogenic strain of porcine reproductive and respiratory syndrome virus. BMC Veterinary Research, 2012, 8, 208.	1.9	30
40	A Review of Selected Genes with Known Effects on Performance and Health of Cattle. Frontiers in Veterinary Science, 2016, 3, 113.	2.2	27
41	Phenotypic Modulation of the Virulent Bvg Phase Is Not Required for Pathogenesis and Transmission of Bordetella bronchiseptica in Swine. Infection and Immunity, 2012, 80, 1025-1036.	2.2	26
42	Chinese and Vietnamese strains of HP-PRRSV cause different pathogenic outcomes in United States high health swine. Virology, 2013, 446, 238-250.	2.4	26
43	Genetic Control of Disease Resistance and Immunoresponsiveness. Veterinary Clinics of North America - Food Animal Practice, 2001, 17, 477-493.	1.2	25
44	Effects of Preventing Periparturient Hypocalcemia in Cows by Parathyroid Hormone Administration on Hematology, Conglutinin, Immunoglobulin, and Shedding of Staphylococcus aureus in Milk. Journal of Dairy Science, 1990, 73, 2103-2111.	3.4	23
45	Mastitis of Periparturient Holstein Cattle: A Phenotypic and Genetic Study. Journal of Dairy Science, 1995, 78, 2285-2293.	3.4	23
46	Interleukin-8 expression by mammary gland endothelial and epithelial cells following experimental mastitis infection with E. coli. Comparative Immunology, Microbiology and Infectious Diseases, 2006, 29, 127-137.	1.6	23
47	Fluorescence-Based Method, Exploiting Lipofuscin, for Real-Time Detection of Central Nervous System Tissues on Bovine Carcasses. Journal of Agricultural and Food Chemistry, 2008, 56, 6220-6226.	5.2	23
48	Absence of 2009 Pandemic H1N1 Influenza A Virus in Fresh Pork. PLoS ONE, 2009, 4, e8367.	2.5	23
49	Somatic hypermutations and isotype restricted exceptionally long CDR3H contribute to antibody diversification in cattle. Veterinary Immunology and Immunopathology, 2009, 127, 106-113.	1.2	22
50	Association of class I bovine lymphocyte antigen complex alleles with in vitro blood neutrophil functions, lymphocyte blastogenesis, serum complement and conglutinin levels in dairy cattle. Veterinary Immunology and Immunopathology, 1991, 27, 321-335.	1.2	21
51	Comparison of humoral and cellular immune responses to inactivated swine influenza virus vaccine in weaned pigs. Veterinary Immunology and Immunopathology, 2011, 142, 252-257.	1.2	21
52	Immunoglobulins and Immunocytes in the Mammary Gland and Its Secretions. , 2005, , 1763-1793.		20
53	Granulocyte Colony-Stimulating Factor Effects on Lymphocytes and Immunoglobulin Concentrations in Periparturient Cows. Journal of Dairy Science, 1991, 74, 3755-3762.	3.4	19
54	Prophylactic Administration of Vector-Encoded Porcine Granulocyte-Colony Stimulating Factor Reduces Salmonella Shedding, Tonsil Colonization, and Microbiota Alterations of the Gastrointestinal Tract in Salmonella-Challenged Swine. Frontiers in Veterinary Science, 2016, 3, 66.	2.2	18

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55	Influence of Î² 2 -Integrin Adhesion Molecule Expression and Pulmonary Infection with Pasteurella haemolytica on Cytokine Gene Expression in Cattle. Infection and Immunity, 2000, 68, 4274-4281.	2.2	16
56	Expression, purification, and in vitro biological activities of recombinant bovine granulocyte-colony stimulating factor. Veterinary Immunology and Immunopathology, 2001, 81, 45-57.	1.2	13
57	Non-opsonic attachment of Bordetella bronchiseptica mediated by CD11/CD18 and cell surface carbohydrates. Microbial Pathogenesis, 1994, 17, 375-385.	2.9	12
58	In-Depth Global Analysis of Transcript Abundance Levels in Porcine Alveolar Macrophages Following Infection with Porcine Reproductive and Respiratory Syndrome Virus. Advances in Virology, 2010, 2010, 1-12.	1.1	12
59	Vitamin E Effects on In Vitro Immunoglobulin M and Interleukin-Î² Production and Transcription in Dairy Cattle. Journal of Dairy Science, 1992, 75, 2190-2198.	3.4	11
60	Reduction in inflammation following blockade of CD18 or CD29 adhesive pathways during the acute phase of a spirochetal-induced colitis in mice. Microbial Pathogenesis, 2000, 29, 289-299.	2.9	11
61	Flow cytometric analysis of intracellular complexity and CD45 expression for use in rapid differentiation of leukocytes in bovine blood samples. American Journal of Veterinary Research, 2001, 62, 1740-1744.	0.6	11
62	The Bordetella Bps Polysaccharide Is Required for Biofilm Formation and Enhances Survival in the Lower Respiratory Tract of Swine. Infection and Immunity, 2017, 85, .	2.2	11
63	Chemically Induced Immunomodulation in Domestic Food Animals. Advances in Veterinary Medicine, 1990, 35, 103-119.	0.1	11
64	Porcine granulocyte-colony stimulating factor (G-CSF) delivered via replication-defective adenovirus induces a sustained increase in circulating peripheral blood neutrophils. Biologicals, 2013, 41, 368-376.	1.4	10
65	In vivo effects of a thymosin Î±1-containing colostral whey product on neutrophils and lymphocytes from lactating cows without and with experimentally induced Staphylococcus aureus mastitis. Veterinary Immunology and Immunopathology, 1989, 20, 149-163.	1.2	9
66	Functional assessment of bovine monocytes isolated from peripheral blood. Veterinary Immunology and Immunopathology, 1997, 58, 147-153.	1.2	9
67	Fecal shedding of coliform bacteria during the periparturient period in dairy cows. American Journal of Veterinary Research, 2000, 61, 1636-1638.	0.6	9
68	Vaccine-Associated Enhanced Respiratory Disease Does Not Interfere with the Adaptive Immune Response Following Challenge with Pandemic A/H1N1 2009. Viral Immunology, 2013, 26, 314-321.	1.3	9
69	Cloning, sequencing, and analysis of cDNA encoding bovine granulocyte-colony stimulating factor. Veterinary Immunology and Immunopathology, 2000, 73, 183-191.	1.2	7
70	Use of a bovine model to study the role of adhesion molecule CD11/CD18 in hemodialysis-induced neutropenia. American Journal of Kidney Diseases, 2002, 39, 587-593.	1.9	7
71	Recognition of Leukochimerism during Genotyping for Bovine Leukocyte Adhesion Deficiency (BLAD) by Polymerase-Chain-Reaction-Amplified DNA Extracted from Blood. Journal of Veterinary Diagnostic Investigation, 1995, 7, 569-572.	1.1	6
72	Cloning, sequencing and analysis of cDNA encoding bovine intercellular adhesion molecule-1 (ICAM-1). Veterinary Immunology and Immunopathology, 1997, 59, 121-129.	1.2	6

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73	Two Retroviral Infections of Periparturient Holstein Cattle: A Phenotypic and Genetic Study. Journal of Dairy Science, 1995, 78, 2294-2298.	3.4	5
74	Cloning and sequencing of a cDNA encoding bovine intercellular adhesion molecule 3 (ICAM-3). Gene, 1996, 174, 311-313.	2.2	5
75	Expression and characterization of a recombinant soluble form of bovine tumor necrosis factor receptor type I. Veterinary Immunology and Immunopathology, 2000, 77, 233-241.	1.2	5
76	High-impact animal health research conducted at the USDA's National Animal Disease Center. Veterinary Microbiology, 2013, 165, 224-233.	1.9	5
77	Cross-Fostering to Prevent Maternal Cell Transfer Did Not Prevent Vaccine-Associated Enhanced Respiratory Disease that Occurred Following Heterologous Influenza Challenge of Pigs Vaccinated in the Presence of Maternal Immunity. Viral Immunology, 2014, 27, 334-342.	1.3	5
78	Administration of granulocyte-colony stimulating factor (G-CSF) to pigs results in a longer mean survival time after exposure to Streptococcus suis. Veterinary Microbiology, 2019, 231, 116-119.	1.9	5
79	Cloning and sequencing of cDNA encoding bovine tumor necrosis factor (TNF)-receptor I. Veterinary Immunology and Immunopathology, 1998, 61, 379-385.	1.2	4
80	A Comparison of the Fluorescence Spectra of Murine and Bovine Central Nervous System and Other Tissues. Photochemistry and Photobiology, 2009, 85, 1322-1326.	2.5	4
81	Enhancement of innate immunity with granulocyte colony-stimulating factor did not mitigate disease in pigs infected with a highly pathogenic Chinese PRRSV strain. Veterinary Immunology and Immunopathology, 2016, 179, 70-76.	1.2	3
82	Development of a baculovirus expression system for soluble porcine tumor necrosis factor receptor type I and soluble porcine tumor necrosis factor receptor type I-IgG fusion protein. Veterinary Immunology and Immunopathology, 2002, 86, 251-254.	1.2	2
83	Clinical and Immunological Features Associated with Bovine Leukocyte Adhesion Deficiency. , 1993, , 314-327.		2
84	Fluorescence Spectroscopy of the Retina from Scrapieâ€Infected Mice. Photochemistry and Photobiology, 2013, 89, 864-868.	2.5	1
85	Ablation of prion protein immunoreactivity by heating in saturated calcium hydroxide. BMC Research Notes, 2008, 1, 99.	1.4	0