

Marcus E Kehrli

List of Publications by Year in descending order

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85
papers

3,270
citations

145106

33
h-index

182931

54
g-index

85
all docs

85
docs citations

85
times ranked

2992
citing authors

#	ARTICLE	IF	CITATIONS
1	Administration of granulocyte-colony stimulating factor (G-CSF) to pigs results in a longer mean survival time after exposure to <i>Streptococcus suis</i> . <i>Veterinary Microbiology</i> , 2019, 231, 116-119.	0.8	5
2	The <i>Bordetella Bps</i> Polysaccharide Is Required for Biofilm Formation and Enhances Survival in the Lower Respiratory Tract of Swine. <i>Infection and Immunity</i> , 2017, 85, .	1.0	11
3	Prophylactic Administration of Vector-Encoded Porcine Granulocyte-Colony Stimulating Factor Reduces <i>Salmonella</i> Shedding, Tonsil Colonization, and Microbiota Alterations of the Gastrointestinal Tract in <i>Salmonella</i> -Challenged Swine. <i>Frontiers in Veterinary Science</i> , 2016, 3, 66.	0.9	18
4	A Review of Selected Genes with Known Effects on Performance and Health of Cattle. <i>Frontiers in Veterinary Science</i> , 2016, 3, 113.	0.9	27
5	Enhancement of innate immunity with granulocyte colony-stimulating factor did not mitigate disease in pigs infected with a highly pathogenic Chinese PRRSV strain. <i>Veterinary Immunology and Immunopathology</i> , 2016, 179, 70-76.	0.5	3
6	The <i>Bordetella bronchiseptica</i> Type III Secretion System Is Required for Persistence and Disease Severity but Not Transmission in Swine. <i>Infection and Immunity</i> , 2014, 82, 1092-1103.	1.0	38
7	Live attenuated influenza A virus vaccine protects against A(H1N1)pdm09 heterologous challenge without vaccine associated enhanced respiratory disease. <i>Virology</i> , 2014, 471-473, 93-104.	1.1	60
8	Efficacy of Type 2 PRRSV vaccine against Chinese and Vietnamese HP-PRRSV challenge in pigs. <i>Vaccine</i> , 2014, 32, 6457-6462.	1.7	33
9	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. <i>Viral Immunology</i> , 2014, 27, 334-342.	0.6	5
10	Porcine granulocyte-colony stimulating factor (G-CSF) delivered via replication-defective adenovirus induces a sustained increase in circulating peripheral blood neutrophils. <i>Biologicals</i> , 2013, 41, 368-376.	0.5	10
11	A divergent clade of circular single-stranded DNA viruses from pig feces. <i>Archives of Virology</i> , 2013, 158, 2157-2162.	0.9	35
12	High-impact animal health research conducted at the USDA's National Animal Disease Center. <i>Veterinary Microbiology</i> , 2013, 165, 224-233.	0.8	5
13	Chinese and Vietnamese strains of HP-PRRSV cause different pathogenic outcomes in United States high health swine. <i>Virology</i> , 2013, 446, 238-250.	1.1	26
14	Experimental infection of United States swine with a Chinese highly pathogenic strain of porcine reproductive and respiratory syndrome virus. <i>Virology</i> , 2013, 435, 372-384.	1.1	98
15	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. <i>Journal of Virology</i> , 2013, 87, 9895-9903.	1.5	88
16	Virulence, Transmission, and Heterologous Protection of Four Isolates of <i>Haemophilus parasuis</i> . <i>Vaccine Journal</i> , 2013, 20, 1466-1472.	3.2	40
17	Fluorescence Spectroscopy of the Retina from Scrapie-Infected Mice. <i>Photochemistry and Photobiology</i> , 2013, 89, 864-868.	1.3	1
18	Vaccine-Associated Enhanced Respiratory Disease Does Not Interfere with the Adaptive Immune Response Following Challenge with Pandemic A/H1N1 2009. <i>Viral Immunology</i> , 2013, 26, 314-321.	0.6	9

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19	Reactomes of Porcine Alveolar Macrophages Infected with Porcine Reproductive and Respiratory Syndrome Virus. <i>PLoS ONE</i> , 2013, 8, e59229.	1.1	33
20	The Presence of Alpha Interferon at the Time of Infection Alters the Innate and Adaptive Immune Responses to Porcine Reproductive and Respiratory Syndrome Virus. <i>Vaccine Journal</i> , 2012, 19, 508-514.	3.2	34
21	Phenotypic Modulation of the Virulent Bvg Phase Is Not Required for Pathogenesis and Transmission of <i>Bordetella bronchiseptica</i> in Swine. <i>Infection and Immunity</i> , 2012, 80, 1025-1036.	1.0	26
22	Genomic sequence and virulence comparison of four Type 2 porcine reproductive and respiratory syndrome virus strains. <i>Virus Research</i> , 2012, 169, 212-221.	1.1	128
23	Vaccination with NS1-truncated H3N2 swine influenza virus primes T cells and confers cross-protection against an H1N1 heterosubtypic challenge in pigs. <i>Vaccine</i> , 2012, 30, 280-288.	1.7	61
24	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. <i>Vaccine Journal</i> , 2012, 19, 1722-1729.	3.2	51
25	Analysis of the swine tracheobronchial lymph node transcriptomic response to infection with a Chinese highly pathogenic strain of porcine reproductive and respiratory syndrome virus. <i>BMC Veterinary Research</i> , 2012, 8, 208.	0.7	30
26	Enhanced pneumonia and disease in pigs vaccinated with an inactivated human-like (Î-cluster) H1N2 vaccine and challenged with pandemic 2009 H1N1 influenza virus. <i>Vaccine</i> , 2011, 29, 2712-2719.	1.7	109
27	Comparison of humoral and cellular immune responses to inactivated swine influenza virus vaccine in weaned pigs. <i>Veterinary Immunology and Immunopathology</i> , 2011, 142, 252-257.	0.5	21
28	Experimental interspecies transmission studies of the transmissible spongiform encephalopathies to cattle. <i>Journal of Veterinary Diagnostic Investigation</i> , 2011, 23, 407-420.	0.5	32
29	DNA Vaccination Elicits Protective Immune Responses against Pandemic and Classic Swine Influenza Viruses in Pigs. <i>Vaccine Journal</i> , 2011, 18, 1987-1995.	3.2	52
30	Experimental inoculation of pigs with pandemic H1N1 2009 virus and HI cross-reactivity with contemporary swine influenza virus antisera. <i>Influenza and Other Respiratory Viruses</i> , 2010, 4, 53-60.	1.5	66
31	In-Depth Global Analysis of Transcript Abundance Levels in Porcine Alveolar Macrophages Following Infection with Porcine Reproductive and Respiratory Syndrome Virus. <i>Advances in Virology</i> , 2010, 2010, 1-12.	0.5	12
32	Efficacy of inactivated swine influenza virus vaccines against the 2009 A/H1N1 influenza virus in pigs. <i>Vaccine</i> , 2010, 28, 2782-2787.	1.7	82
33	In vivo growth of porcine reproductive and respiratory syndrome virus engineered nsp2 deletion mutants. <i>Virus Research</i> , 2010, 154, 77-85.	1.1	43
34	Absence of 2009 Pandemic H1N1 Influenza A Virus in Fresh Pork. <i>PLoS ONE</i> , 2009, 4, e8367.	1.1	23
35	Adenovirus-Mediated Expression of Interferon-Î± Delays Viral Replication and Reduces Disease Signs in Swine Challenged with Porcine Reproductive and Respiratory Syndrome Virus. <i>Viral Immunology</i> , 2009, 22, 173-180.	0.6	33
36	Role of Toll-Like Receptors in Activation of Porcine Alveolar Macrophages by Porcine Reproductive and Respiratory Syndrome Virus. <i>Vaccine Journal</i> , 2009, 16, 360-365.	3.2	42

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37	A Comparison of the Fluorescence Spectra of Murine and Bovine Central Nervous System and Other Tissues. <i>Photochemistry and Photobiology</i> , 2009, 85, 1322-1326.	1.3	4
38	Somatic hypermutations and isotype restricted exceptionally long CDR3H contribute to antibody diversification in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2009, 127, 106-113.	0.5	22
39	Ablation of prion protein immunoreactivity by heating in saturated calcium hydroxide. <i>BMC Research Notes</i> , 2008, 1, 99.	0.6	0
40	Fluorescence-Based Method, Exploiting Lipofuscin, for Real-Time Detection of Central Nervous System Tissues on Bovine Carcasses. <i>Journal of Agricultural and Food Chemistry</i> , 2008, 56, 6220-6226.	2.4	23
41	Identification of a Heritable Polymorphism in Bovine PRNP Associated with Genetic Transmissible Spongiform Encephalopathy: Evidence of Heritable BSE. <i>PLoS ONE</i> , 2008, 3, e2912.	1.1	59
42	Interleukin-8 expression by mammary gland endothelial and epithelial cells following experimental mastitis infection with <i>E. coli</i> . <i>Comparative Immunology, Microbiology and Infectious Diseases</i> , 2006, 29, 127-137.	0.7	23
43	Infection with Porcine reproductive and respiratory syndrome virus stimulates an early gamma interferon response in the serum of pigs. <i>Canadian Journal of Veterinary Research</i> , 2006, 70, 176-82.	1.1	42
44	Immunoglobulins and Immunocytes in the Mammary Gland and Its Secretions. , 2005, , 1763-1793.		20
45	Effects of Mastectomy on Composition of Peripheral Blood Mononuclear Cell Populations in Periparturient Dairy Cows. <i>Journal of Dairy Science</i> , 2002, 85, 1437-1444.	1.4	58
46	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. <i>Veterinary Immunology and Immunopathology</i> , 2002, 86, 251-254.	0.5	2
47	Use of a bovine model to study the role of adhesion molecule CD11/CD18 in hemodialysis-induced neutropenia. <i>American Journal of Kidney Diseases</i> , 2002, 39, 587-593.	2.1	7
48	Expression, purification, and in vitro biological activities of recombinant bovine granulocyte-colony stimulating factor. <i>Veterinary Immunology and Immunopathology</i> , 2001, 81, 45-57.	0.5	13
49	Cell Adhesion Molecules, Leukocyte Trafficking, and Strategies to Reduce Leukocyte Infiltration. <i>Journal of Veterinary Internal Medicine</i> , 2001, 15, 516-529.	0.6	97
50	Immunity in The Mammary Gland. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2001, 17, 495-516.	0.5	105
51	Genetic Control of Disease Resistance and Immunoresponsiveness. <i>Veterinary Clinics of North America - Food Animal Practice</i> , 2001, 17, 477-493.	0.5	25
52	Flow cytometric analysis of intracellular complexity and CD45 expression for use in rapid differentiation of leukocytes in bovine blood samples. <i>American Journal of Veterinary Research</i> , 2001, 62, 1740-1744.	0.3	11
53	Influence of α_2 -Integrin Adhesion Molecule Expression and Pulmonary Infection with <i>Pasteurella haemolytica</i> on Cytokine Gene Expression in Cattle. <i>Infection and Immunity</i> , 2000, 68, 4274-4281.	1.0	16
54	Fecal shedding of coliform bacteria during the periparturient period in dairy cows. <i>American Journal of Veterinary Research</i> , 2000, 61, 1636-1638.	0.3	9

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55	Reduction in inflammation following blockade of CD18 or CD29 adhesive pathways during the acute phase of a spirochetal-induced colitis in mice. <i>Microbial Pathogenesis</i> , 2000, 29, 289-299.	1.3	11
56	Expression and characterization of a recombinant soluble form of bovine tumor necrosis factor receptor type I. <i>Veterinary Immunology and Immunopathology</i> , 2000, 77, 233-241.	0.5	5
57	Cloning, sequencing, and analysis of cDNA encoding bovine granulocyte-colony stimulating factor. <i>Veterinary Immunology and Immunopathology</i> , 2000, 73, 183-191.	0.5	7
58	Effects of the Presence of the Mammary Gland on Expression of Neutrophil Adhesion Molecules and Myeloperoxidase Activity in Periparturient Dairy Cows. <i>Journal of Dairy Science</i> , 1999, 82, 2385-2392.	1.4	99
59	Cloning and sequencing of cDNA encoding bovine tumor necrosis factor (TNF)-receptor I. <i>Veterinary Immunology and Immunopathology</i> , 1998, 61, 379-385.	0.5	4
60	Bovine Lymphocyte Antigen Class II Alleles as Risk Factors for High Somatic Cell Counts in Milk of Lactating Dairy Cows. <i>Journal of Dairy Science</i> , 1997, 80, 406-412.	1.4	87
61	Functional assessment of bovine monocytes isolated from peripheral blood. <i>Veterinary Immunology and Immunopathology</i> , 1997, 58, 147-153.	0.5	9
62	Cloning, sequencing and analysis of cDNA encoding bovine intercellular adhesion molecule-1 (ICAM-1). <i>Veterinary Immunology and Immunopathology</i> , 1997, 59, 121-129.	0.5	6
63	Integrin Mac-1 and β_2 -amyloid in microglial release of nitric oxide. <i>Brain Research</i> , 1997, 768, 279-286.	1.1	46
64	Cloning and sequencing of a cDNA encoding bovine intercellular adhesion molecule 3 (ICAM-3). <i>Gene</i> , 1996, 174, 311-313.	1.0	5
65	Regulation of L-selectin and CD18 on bovine neutrophils by glucocorticoids: effects of cortisol and dexamethasone. <i>Journal of Leukocyte Biology</i> , 1995, 57, 317-325.	1.5	238
66	Recognition of Leukochimerism during Genotyping for Bovine Leukocyte Adhesion Deficiency (BLAD) by Polymerase-Chain-Reaction-Amplified DNA Extracted from Blood. <i>Journal of Veterinary Diagnostic Investigation</i> , 1995, 7, 569-572.	0.5	6
67	Mastitis of Periparturient Holstein Cattle: A Phenotypic and Genetic Study. <i>Journal of Dairy Science</i> , 1995, 78, 2285-2293.	1.4	23
68	Two Retroviral Infections of Periparturient Holstein Cattle: A Phenotypic and Genetic Study. <i>Journal of Dairy Science</i> , 1995, 78, 2294-2298.	1.4	5
69	Factors Affecting Milk Somatic Cells and Their Role in Health of the Bovine Mammary Gland. <i>Journal of Dairy Science</i> , 1994, 77, 619-627.	1.4	203
70	Non-opsonic attachment of <i>Bordetella bronchiseptica</i> mediated by CD11/CD18 and cell surface carbohydrates. <i>Microbial Pathogenesis</i> , 1994, 17, 375-385.	1.3	12
71	Immunological Parameters of Periparturient Holstein Cattle: Genetic Variation. <i>Journal of Dairy Science</i> , 1994, 77, 2640-2650.	1.4	75
72	Clinical and Immunological Features Associated with Bovine Leukocyte Adhesion Deficiency. , 1993, , 314-327.		2

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73	Vitamin E Effects on In Vitro Immunoglobulin M and Interleukin- β Production and Transcription in Dairy Cattle. <i>Journal of Dairy Science</i> , 1992, 75, 2190-2198.	1.4	11
74	Sequence of the bovine CD18-encoding cDNA: comparison with the human and murine glycoproteins. <i>Gene</i> , 1992, 114, 267-271.	1.0	55
75	Granulocyte Colony-Stimulating Factor Effects on Lymphocytes and Immunoglobulin Concentrations in Periparturient Cows. <i>Journal of Dairy Science</i> , 1991, 74, 3755-3762.	1.4	19
76	Effects of Granulocyte Colony-Stimulating Factor Administration to Periparturient Cows on Neutrophils and Bacterial Shedding. <i>Journal of Dairy Science</i> , 1991, 74, 2448-2458.	1.4	47
77	Immunobiology of Hematopoietic Colony-Stimulating Factors: Potential Application to Disease Prevention in the Bovine. <i>Journal of Dairy Science</i> , 1991, 74, 4399-4412.	1.4	46
78	Bovine sire effects on daughters' in vitro blood neutrophil functions, lymphocyte blastogenesis, serum complement and conglutinin levels. <i>Veterinary Immunology and Immunopathology</i> , 1991, 27, 303-319.	0.5	43
79	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. <i>Veterinary Immunology and Immunopathology</i> , 1991, 27, 321-335.	0.5	21
80	A colorimetric assay for quantitating bovine neutrophil bactericidal activity. <i>Veterinary Immunology and Immunopathology</i> , 1991, 28, 45-56.	0.5	91
81	Effects of Preventing Periparturient Hypocalcemia in Cows by Parathyroid Hormone Administration on Hematology, Conglutinin, Immunoglobulin, and Shedding of <i>Staphylococcus aureus</i> in Milk. <i>Journal of Dairy Science</i> , 1990, 73, 2103-2111.	1.4	23
82	Chemically Induced Immunomodulation in Domestic Food Animals. <i>Advances in Veterinary Medicine</i> , 1990, 35, 103-119.	0.1	11
83	Periparturient Hypocalcemia in Cows: Effects on Peripheral Blood Neutrophil and Lymphocyte Function. <i>Journal of Dairy Science</i> , 1989, 72, 1188-1196.	1.4	88
84	Periparturient Hypocalcemia in Cows: Prevention Using Intramuscular Parathyroid Hormone. <i>Journal of Dairy Science</i> , 1989, 72, 1182-1187.	1.4	37
85	In vivo effects of a thymosin β 1-containing colostrum whey product on neutrophils and lymphocytes from lactating cows without and with experimentally induced <i>Staphylococcus aureus</i> mastitis. <i>Veterinary Immunology and Immunopathology</i> , 1989, 20, 149-163.	0.5	9