

Kieran G Meade

List of Publications by Year in descending order

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82
papers

2,716
citations

172207

29
h-index

197535

49
g-index

85
all docs

85
docs citations

85
times ranked

2876
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of a Novel Chicken Toll-Like Receptor following Salmonella enterica Serovar Typhimurium Infection. <i>Infection and Immunity</i> , 2006, 74, 1692-1698.	1.0	173
2	Toll-like receptor and antimicrobial peptide expression in the bovine endometrium. <i>Reproductive Biology and Endocrinology</i> , 2008, 6, 53.	1.4	167
3	Histopathological and molecular evaluation of Holstein-Friesian cows postpartum: Toward an improved understanding of uterine innate immunity. <i>Theriogenology</i> , 2009, 71, 1396-1407.	0.9	132
4	Î²-Defensins: Farming the Microbiome for Homeostasis and Health. <i>Frontiers in Immunology</i> , 2018, 9, 3072.	2.2	111
5	Tuberculosis Immunity: Opportunities from Studies with Cattle. <i>Clinical and Developmental Immunology</i> , 2011, 2011, 1-11.	3.3	104
6	Comparative in vivo infection models yield insights on early host immune response to Campylobacter in chickens. <i>Immunogenetics</i> , 2009, 61, 101-110.	1.2	92
7	Experimental Staphylococcus aureus infection of the mammary gland induces region-specific changes in innate immune gene expression. <i>Veterinary Immunology and Immunopathology</i> , 2011, 140, 181-189.	0.5	87
8	Bovine Î²-defensin gene family: opportunities to improve animal health?. <i>Physiological Genomics</i> , 2014, 46, 17-28.	1.0	81
9	Tumour necrosis factor-Î± (TNF-Î±) increases nuclear factor Î±B (NFÎ±B) activity in and interleukin-8 (IL-8) release from bovine mammary epithelial cells. <i>Veterinary Immunology and Immunopathology</i> , 2007, 116, 59-68.	0.5	77
10	Evolution, expression and effectiveness in a cluster of novel bovine Î²-defensins. <i>Immunogenetics</i> , 2008, 60, 147-156.	1.2	73
11	Innate immune gene expression differentiates the early avian intestinal response between Salmonella and Campylobacter. <i>Veterinary Immunology and Immunopathology</i> , 2009, 132, 191-198.	0.5	71
12	Innate gene repression associated with Mycobacterium bovis infection in cattle: toward a gene signature of disease. <i>BMC Genomics</i> , 2007, 8, 400.	1.2	65
13	RNA-seq Transcriptional Profiling of Peripheral Blood Leukocytes from Cattle Infected with Mycobacterium bovis. <i>Frontiers in Immunology</i> , 2014, 5, 396.	2.2	65
14	Differential antimicrobial peptide gene expression patterns during early chicken embryological development. <i>Developmental and Comparative Immunology</i> , 2009, 33, 516-524.	1.0	64
15	The postpartum endometrial inflammatory response: a normal physiological event with potential implications for bovine fertility. <i>Reproduction, Fertility and Development</i> , 2012, 24, 1028.	0.1	62
16	Analysis of the Bovine Monocyte-Derived Macrophage Response to Mycobacterium avium Subspecies Paratuberculosis Infection Using RNA-seq. <i>Frontiers in Immunology</i> , 2015, 6, 23.	2.2	61
17	Endometrial biopsy: a valuable clinical and research tool in bovine reproduction. <i>Theriogenology</i> , 2010, 73, 988-994.	0.9	57
18	Single Nucleotide Polymorphisms in the Insulin-Like Growth Factor 1 (IGF-1) Gene are Associated with Performance in Holstein-Friesian Dairy Cattle. <i>Frontiers in Genetics</i> , 2011, 2, 3.	1.1	50

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19	Endometrial epithelial cells are potent producers of tracheal antimicrobial peptide and serum amyloid A3 gene expression in response to <i>E. coli</i> stimulation. <i>Veterinary Immunology and Immunopathology</i> , 2013, 151, 157-162.	0.5	50
20	Cytokine mRNA profiling of peripheral blood mononuclear cells from trypanotolerant and trypanosusceptible cattle infected with <i>Trypanosoma congolense</i> . <i>Physiological Genomics</i> , 2006, 28, 53-61.	1.0	49
21	Avian Resistance to <i>Campylobacter jejuni</i> Colonization Is Associated with an Intestinal Immunogene Expression Signature Identified by mRNA Sequencing. <i>PLoS ONE</i> , 2012, 7, e40409.	1.1	46
22	Cauda Epididymis-Specific Beta-Defensin 126 Promotes Sperm Motility but Not Fertilizing Ability in Cattle. <i>Biology of Reproduction</i> , 2016, 95, 122-122.	1.2	44
23	Transcriptional profiling of cattle infected with <i>Trypanosoma congolense</i> highlights gene expression signatures underlying trypanotolerance and trypanosusceptibility. <i>BMC Genomics</i> , 2009, 10, 207.	1.2	41
24	Genome-wide transcriptional profiling of peripheral blood leukocytes from cattle infected with <i>Mycobacterium bovis</i> reveals suppression of host immune genes. <i>BMC Genomics</i> , 2011, 12, 611.	1.2	40
25	Non-canonical Inflammasome-Mediated IL-1 β Production by Primary Endometrial Epithelial and Stromal Fibroblast Cells Is NLRP3 and Caspase-4 Dependent. <i>Frontiers in Immunology</i> , 2019, 10, 102.	2.2	37
26	Reproductive tissue-specific expression profiling and genetic variation across a 19 gene bovine β 2-defensin cluster. <i>Immunogenetics</i> , 2011, 63, 641-651.	1.2	33
27	Characterisation and expression profile of the bovine cathelicidin gene repertoire in mammary tissue. <i>BMC Genomics</i> , 2014, 15, 128.	1.2	33
28	Integrated analysis of the local and systemic changes preceding the development of post-partum cytological endometritis. <i>BMC Genomics</i> , 2015, 16, 811.	1.2	33
29	Cervico-vaginal mucus (CVM) – an accessible source of immunologically informative biomolecules. <i>Veterinary Research Communications</i> , 2018, 42, 255-263.	0.6	33
30	Epigenetic regulation of the innate immune response to LPS in bovine peripheral blood mononuclear cells (PBMC). <i>Veterinary Immunology and Immunopathology</i> , 2013, 154, 102-110.	0.5	32
31	Gene expression profiling of peripheral blood mononuclear cells (PBMC) from <i>Mycobacterium bovis</i> infected cattle after in vitro antigenic stimulation with purified protein derivative of tuberculin (PPD). <i>Veterinary Immunology and Immunopathology</i> , 2006, 113, 73-89.	0.5	30
32	Profiling inflammatory biomarkers in cervico-vaginal mucus (CVM) postpartum: Potential early indicators of bovine clinical endometritis?. <i>Theriogenology</i> , 2017, 103, 117-122.	0.9	30
33	The CD4+ T cell methylome contributes to a distinct CD4+ T cell transcriptional signature in <i>Mycobacterium bovis</i> -infected cattle. <i>Scientific Reports</i> , 2016, 6, 31014.	1.6	28
34	Alum Activates the Bovine NLRP3 Inflammasome. <i>Frontiers in Immunology</i> , 2017, 8, 1494.	2.2	27
35	Short communication: Uncovering quantitative trait loci associated with resistance to <i>Mycobacterium avium</i> ssp. <i>paratuberculosis</i> infection in Holstein cattle using a high-density single nucleotide polymorphism panel. <i>Journal of Dairy Science</i> , 2018, 101, 7280-7286.	1.4	27
36	Global endometrial transcriptomic profiling: transient immune activation precedes tissue proliferation and repair in healthy beef cows. <i>BMC Genomics</i> , 2012, 13, 489.	1.2	26

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37	Sperm-Coating Beta-Defensin 126 Is a Dissociation-Resistant Dimer Produced by Epididymal Epithelium in the Bovine Reproductive Tract. <i>Biology of Reproduction</i> , 2016, 95, 121-121.	1.2	22
38	The genetic architecture of milk ELISA scores as an indicator of Johne's disease (paratuberculosis) in dairy cattle. <i>Journal of Dairy Science</i> , 2018, 101, 10062-10075.	1.4	22
39	Technical note: Comparative analyses of the quality and yield of genomic DNA from invasive and noninvasive, automated and manual extraction methods. <i>Journal of Dairy Science</i> , 2011, 94, 3159-3165.	1.4	21
40	A novel subclass of bovine β -defensins links reproduction and immunology. <i>Reproduction, Fertility and Development</i> , 2014, 26, 769.	0.1	21
41	Recombinant β -defensin 126 promotes bull sperm binding to bovine oviductal epithelia. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1472.	0.1	21
42	Antigen stimulation of peripheral blood mononuclear cells from <i>Mycobacterium bovis</i> infected cattle yields evidence for a novel gene expression program. <i>BMC Genomics</i> , 2008, 9, 447.	1.2	20
43	Genome-Wide Association Analysis of Avian Resistance to <i>Campylobacter jejuni</i> Colonization Identifies Risk Locus Spanning the <i>CDH13</i> Gene. <i>G3: Genes, Genomes, Genetics</i> , 2013, 3, 881-890.	0.8	20
44	Genomic identification, expression profiling, and functional characterization of CatSper channels in the bovine. <i>Biology of Reproduction</i> , 2017, 97, 302-312.	1.2	20
45	A dual targeted β -defensin and exome sequencing approach to identify, validate and functionally characterise genes associated with bull fertility. <i>Scientific Reports</i> , 2017, 7, 12287.	1.6	19
46	Global gene expression analysis of chicken caecal response to <i>Campylobacter jejuni</i> . <i>Veterinary Immunology and Immunopathology</i> , 2011, 142, 64-71.	0.5	18
47	Comparative epigenetics: relevance to the regulation of production and health traits in cattle. <i>Animal Genetics</i> , 2014, 45, 3-14.	0.6	17
48	Functional characterisation of bovine interleukin 8 promoter haplotypes in vitro. <i>Molecular Immunology</i> , 2012, 50, 108-116.	1.0	15
49	Comparative genomic identification and validation of β -defensin genes in the <i>Ovis aries</i> genome. <i>BMC Genomics</i> , 2017, 18, 278.	1.2	14
50	Prepartum concentrate supplementation of a diet based on medium-quality grass silage: Effects on performance, health, fertility, metabolic function, and immune function of low body condition score cows. <i>Journal of Dairy Science</i> , 2016, 99, 7102-7122.	1.4	13
51	Johne's Disease in Dairy Cattle: An Immunogenetic Perspective. <i>Frontiers in Veterinary Science</i> , 2021, 8, 718987.	0.9	13
52	Characterization of circulating plasma proteins in dairy cows with cytological endometritis. <i>Journal of Proteomics</i> , 2019, 205, 103421.	1.2	12
53	Divergent antimicrobial peptide (AMP) and acute phase protein (APP) responses to <i>Trypanosoma congolense</i> infection in trypanotolerant and trypanosusceptible cattle. <i>Molecular Immunology</i> , 2009, 47, 196-204.	1.0	11
54	In vivo relevance of polymorphic Interleukin 8 promoter haplotype for the systemic immune response to LPS in Holstein-Friesian calves. <i>Veterinary Immunology and Immunopathology</i> , 2016, 182, 1-10.	0.5	11

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55	Functional analysis of bovine interleukin-10 receptor alpha in response to <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> lysate using CRISPR/Cas9. <i>BMC Genetics</i> , 2020, 21, 121.	2.7	11
56	Directed alteration of a novel bovine β -defensin to improve antimicrobial efficacy against methicillin-resistant <i>Staphylococcus aureus</i> (MRSA). <i>International Journal of Antimicrobial Agents</i> , 2008, 32, 392-397.	1.1	10
57	The role of oct-1 in the regulation of tracheal antimicrobial peptide (TAP) and lingual antimicrobial peptide (LAP) expression in bovine mammary epithelial cells. <i>Immunogenetics</i> , 2011, 63, 715-725.	1.2	10
58	Comparative genomic identification and expression profiling of a novel β -defensin gene cluster in the equine reproductive tract. <i>Reproduction, Fertility and Development</i> , 2016, 28, 1499.	0.1	10
59	Improved detection of biomarkers in cervico-vaginal mucus (CVM) from postpartum cattle. <i>BMC Veterinary Research</i> , 2018, 14, 297.	0.7	10
60	Qualitative and quantitative differences in endometrial inflammatory gene expression precede the development of bovine uterine disease. <i>Scientific Reports</i> , 2020, 10, 18275.	1.6	10
61	Improved filtration method to isolate pure populations of primary bovine endometrial epithelial and stromal cells for immunological studies. <i>Veterinary Research Communications</i> , 2020, 44, 29-39.	0.6	10
62	Characterization of the bovine salivary gland transcriptome associated with <i>Mycobacterium avium</i> subsp. <i>paratuberculosis</i> experimental challenge. <i>BMC Genomics</i> , 2019, 20, 491.	1.2	9
63	Interleukin 8 haplotypes drive divergent responses in uterine endometrial cells and are associated with somatic cell score in Holstein-Friesian cattle. <i>Veterinary Immunology and Immunopathology</i> , 2017, 184, 18-28.	0.5	8
64	Purulent vaginal discharge diagnosed in pasture-based Holstein-Friesian cows at 21 days postpartum is influenced by previous lactation milk yield and results in diminished fertility. <i>Journal of Dairy Science</i> , 2020, 103, 666-675.	1.4	8
65	Low serum vitamin D concentrations in Spring-born dairy calves are associated with elevated peripheral leukocytes. <i>Scientific Reports</i> , 2021, 11, 18969.	1.6	8
66	Conserved and breed-specific differences in the cervical transcriptome of sheep with divergent fertility at the follicular phase of a natural oestrus cycle. <i>BMC Genomics</i> , 2021, 22, 752.	1.2	8
67	Transmission ratio distortion at the growth hormone gene (<i>GH1</i>) in bovine preimplantation embryos: An in vitro culture-induced phenomenon?. <i>Molecular Reproduction and Development</i> , 2008, 75, 715-722.	1.0	7
68	Integrated analyses of the microbiological, immunological and ontological transitions in the calf ileum during early life. <i>Scientific Reports</i> , 2020, 10, 21264.	1.6	6
69	1,25(OH)D vitamin D promotes NOS2 expression in response to bacterial and viral PAMPs in primary bovine salivary gland fibroblasts. <i>Veterinary Research Communications</i> , 2020, 44, 83-88.	0.6	6
70	Biochemical and molecular characterization of sialylated cervical mucins in sheep. <i>Biology of Reproduction</i> , 2022, 107, 419-431.	1.2	6
71	Application of the TruCulture [®] whole blood stimulation system for immune response profiling in cattle. <i>Veterinary Immunology and Immunopathology</i> , 2020, 221, 110025.	0.5	5
72	Bovine innate immune phenotyping via a standardized whole blood stimulation assay. <i>Scientific Reports</i> , 2021, 11, 17227.	1.6	5

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73	Effect of IL-8 haplotype on temporal profile in circulating concentrations of interleukin 8 and 25(OH) vitamin D in Holstein-Friesian calves. <i>Veterinary Immunology and Immunopathology</i> , 2021, 238, 110287.	0.5	4
74	Ewe breed differences in the cervical transcriptome at the follicular phase of a synchronised oestrous cycle. <i>BMC Genomics</i> , 2022, 23, 363.	1.2	4
75	The immune response in bovine primary dermal fibroblasts is influenced by Interleukin 8 promoter haplotype and vitamin D. <i>Veterinary Immunology and Immunopathology</i> , 2021, 238, 110291.	0.5	3
76	Advances in Bovine Immunology – New Tools and New Insights to Tackle Old Foes. <i>Frontiers in Immunology</i> , 2015, 6, 71.	2.2	2
77	Association of genetic polymorphisms related to Johne’s disease with estimated breeding values of Holstein sires for milk ELISA test scores. <i>BMC Veterinary Research</i> , 2020, 16, 165.	0.7	2
78	Effect of IL8 haplotype on immunological traits in periparturient dairy cows. <i>Veterinary Immunology and Immunopathology</i> , 2021, 238, 110288.	0.5	2
79	A preliminary analysis of the variation in circulating 25-hydroxycholecalciferol concentrations in peri-partum spring-calving dairy cows. <i>Veterinary Research Communications</i> , 0, , .	0.6	1
80	Convenient detection of single nucleotide polymorphism haplotypes in the bovine growth hormone gene using amplification-created restriction sites. <i>Animal Genetics</i> , 2005, 36, 175-177.	0.6	0
81	3 ROLE OF β -DEFENSIN 126 IN PROMOTING SPERM MOTILITY IN CATTLE. <i>Reproduction, Fertility and Development</i> , 2016, 28, 131.	0.1	0
82	Cervical immune activation during the luteal phase may compromise subsequent trans-cervical ram sperm transport. <i>Biology of Reproduction</i> , 0, , .	1.2	0