

# Kazuhiko Imakawa

## List of Publications by Year in descending order

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119  
papers

3,124  
citations

159585

30  
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197818

49  
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123  
all docs

123  
docs citations

123  
times ranked

2051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Epithelial-mesenchymal transition and bi- and multi-nucleated trophoblast cell formation in ovine conceptuses during the peri-implantation period. <i>Journal of Reproduction and Development</i> , 2022, 68, 110-117.	1.4	7
2	Epithelial-mesenchymal transition process during embryo implantation. <i>Cell and Tissue Research</i> , 2022, 388, 1-17.	2.9	12
3	Characterization of lncRNA functioning in ovine conceptuses and endometria during the peri-implantation period. <i>Biochemical and Biophysical Research Communications</i> , 2022, 594, 22-30.	2.1	2
4	Characterization of Serum Metabolome and Proteome Profiles Identifies SNX5 Specific for Pregnancy Failure in Holstein Heifers. <i>Life</i> , 2022, 12, 309.	2.4	4
5	A target enrichment high throughput sequencing system for characterization of BLV whole genome sequence, integration sites, clonality and host SNP. <i>Scientific Reports</i> , 2021, 11, 4521.	3.3	11
6	Neutrophils recognize and amplify IFNT signals derived from day 7 bovine embryo for stimulation of ISGs expression in vitro: A possible implication for the early maternal recognition of pregnancy. <i>Biochemical and Biophysical Research Communications</i> , 2021, 553, 37-43.	2.1	6
7	Formation of fibrin at sites of conceptus adhesion in the ewe. <i>Reproduction</i> , 2021, 161, 709-720.	2.6	4
8	Day 7 Embryos Change the Proteomics and Exosomal Micro-RNAs Content of Bovine Uterine Fluid: Involvement of Innate Immune Functions. <i>Frontiers in Genetics</i> , 2021, 12, 676791.	2.3	7
9	The effect of bta-miR-26b in intrauterine extracellular vesicles on maternal immune system during the implantation period. <i>Biochemical and Biophysical Research Communications</i> , 2021, 573, 100-106.	2.1	15
10	Increasing Bovine leukemia virus (BLV) proviral load is a risk factor for progression of Enzootic bovine leucosis: A prospective study in Japan. <i>Preventive Veterinary Medicine</i> , 2020, 178, 104680.	1.9	29
11	Peptidoglycan disrupts early embryo-maternal crosstalk via suppression of ISGs expression induced by interferon-tau in the bovine endometrium. <i>Biochemical and Biophysical Research Communications</i> , 2020, 532, 101-107.	2.1	3
12	Emerging Role of Extracellular Vesicles in Embryo-Maternal Communication throughout Implantation Processes. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5523.	4.1	16
13	Sensing sperm via maternal immune system: a potential mechanism for controlling microenvironment for fertility in the cow. <i>Journal of Animal Science</i> , 2020, 98, S88-S95.	0.5	9
14	Promoting Roles of Embryonic Signals in Embryo Implantation and Placentation in Cooperation with Endocrine and Immune Systems. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1885.	4.1	29
15	Roadmap to pregnancy in the first 7 days post-insemination in the cow: Immune crosstalk in the corpus luteum, oviduct, and uterus. <i>Theriogenology</i> , 2020, 150, 313-320.	2.1	16
16	IFNT-independent effects of intrauterine extracellular vesicles (EVs) in cattle. <i>Reproduction</i> , 2020, 159, 503-511.	2.6	19
17	Genetic variation in Japanese Holstein cattle for EBL development. <i>BMC Veterinary Research</i> , 2020, 16, 407.	1.9	3
18	TLR2/4 signaling pathway mediates sperm-induced inflammation in bovine endometrial epithelial cells in vitro. <i>PLoS ONE</i> , 2019, 14, e0214516.	2.5	50

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19	Effects of miR-98 in intrauterine extracellular vesicles on maternal immune regulation during the peri-implantation period in cattle. <i>Scientific Reports</i> , 2019, 9, 20330.	3.3	45
20	Novel crosstalk between Vps26a and Nox4 signaling during neurogenesis. <i>Cell Death and Differentiation</i> , 2019, 26, 1582-1599.	11.2	8
21	Day-7 embryos generate an anti-inflammatory immune response in peripheral blood immune cells in superovulated cows. <i>American Journal of Reproductive Immunology</i> , 2019, 81, e13069.	1.2	10
22	Regulation of human trophoblast cell syncytialization by transcription factors STAT5B and NR4A3. <i>Journal of Cellular Biochemistry</i> , 2018, 119, 4918-4927.	2.6	26
23	A proinflammatory response of bovine endometrial epithelial cells to active sperm in vitro. <i>Molecular Reproduction and Development</i> , 2018, 85, 215-226.	2.0	41
24	Evidence that interferon-tau secreted from Day-7 embryo in vivo generates anti-inflammatory immune response in the bovine uterus. <i>Biochemical and Biophysical Research Communications</i> , 2018, 500, 879-884.	2.1	25
25	Regulation of conceptus interferon-tau gene subtypes expressed in the uterus during the peri-implantation period of cattle. <i>Animal Reproduction Science</i> , 2018, 190, 39-46.	1.5	5
26	Integration of molecules to construct the processes of conceptus implantation to the maternal endometrium. <i>Journal of Animal Science</i> , 2018, 96, 3009-3021.	0.5	24
27	Intrauterine exosomes are required for bovine conceptus implantation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1370-1375.	2.1	75
28	Potential roles of metalloproteinases of endometrium-derived exosomes in embryo-maternal crosstalk during implantation. <i>Journal of Cellular Physiology</i> , 2018, 233, 4530-4545.	4.1	35
29	Induction of immune-related gene expression by seminal exosomes in the porcine endometrium. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 1094-1101.	2.1	56
30	Oviduct epithelium induces interferon-tau in bovine Day-4 embryos, which generates an anti-inflammatory response in immune cells. <i>Scientific Reports</i> , 2018, 8, 7850.	3.3	35
31	Down-regulation of transcription factor OVOL2 contributes to epithelial-mesenchymal transition in a noninvasive type of trophoblast implantation to the maternal endometrium. <i>FASEB Journal</i> , 2018, 32, 3371-3384.	0.5	43
32	Exchange protein directly activated by cAMP (EPAC) promotes transcriptional activation of the decidual prolactin gene via CCAAT/enhancer-binding protein in human endometrial stromal cells. <i>Reproduction, Fertility and Development</i> , 2018, 30, 1454.	0.4	4
33	Factors Regulating Human Extravillous Trophoblast Invasion: Chemokine-peptidase and CD9-integrin Systems. <i>Current Pharmaceutical Biotechnology</i> , 2018, 19, 764-770.	1.6	12
34	Continuous model of conceptus implantation to the maternal endometrium. <i>Journal of Endocrinology</i> , 2017, 233, R53-R65.	2.6	31
35	The Phylogeny of Placental Evolution Through Dynamic Integrations of Retrotransposons. <i>Progress in Molecular Biology and Translational Science</i> , 2017, 145, 89-109.	1.7	32
36	Thirty years of interferon-tau research; Past, present and future perspective. <i>Animal Science Journal</i> , 2017, 88, 927-936.	1.4	12

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37	Novel endogenous retrovirus-derived transcript expressed in the bovine placenta is regulated by WNT signaling. <i>Biochemical Journal</i> , 2017, 474, 3499-3512.	3.7	8
38	Increase in complement iC3b is associated with anti-inflammatory cytokine expression during late pregnancy in mice. <i>PLoS ONE</i> , 2017, 12, e0178442.	2.5	10
39	Successful pregnancy and live birth from a hypogonadotropic hypogonadism woman with low serum estradiol concentrations despite numerous oocyte maturations: a case report. <i>BMC Pregnancy and Childbirth</i> , 2017, 17, 312.	2.4	0
40	Expression of uterine lipocalin 2 and its receptor during early- to mid-pregnancy period in mares. <i>Journal of Reproduction and Development</i> , 2017, 63, 127-133.	1.4	6
41	Bovine embryo induces an anti-inflammatory response in uterine epithelial cells and immune cells &lt;i>in vitro&lt;/i>; possible involvement of interferon tau as an intermedator. <i>Journal of Reproduction and Development</i> , 2017, 63, 425-434.	1.4	33
42	Estrous cycle stage-dependent manner of type I interferon-stimulated genes induction in the bovine endometrium. <i>Journal of Reproduction and Development</i> , 2017, 63, 211-220.	1.4	12
43	Endometrial factors similarly induced by IFNT2 and IFNTc1 through transcription factor FOXS1. <i>PLoS ONE</i> , 2017, 12, e0171858.	2.5	21
44	Transcriptional control of IFNT expression. <i>Reproduction</i> , 2017, 154, F21-F31.	2.6	25
45	Induction of IFNT-Stimulated Genes by Conceptus-Derived Exosomes during the Attachment Period. <i>PLoS ONE</i> , 2016, 11, e0158278.	2.5	77
46	Regulation of epithelial to mesenchymal transition in bovine conceptuses through the interaction between follistatin and activin A. <i>Molecular and Cellular Endocrinology</i> , 2016, 434, 81-92.	3.2	22
47	Dual Positive Regulation of Embryo Implantation by Endocrine and Immune Systems â€“ Stepâ€byâ€Step Maternal Recognition of the Developing Embryo. <i>American Journal of Reproductive Immunology</i> , 2016, 75, 281-289.	1.2	22
48	A transcriptional cofactor YAP regulates IFNT expression via transcription factor TEAD in bovine conceptuses. <i>Domestic Animal Endocrinology</i> , 2016, 57, 21-30.	1.6	20
49	CITED2 modulation of trophoblast cell differentiation: insights from global transcriptome analysis. <i>Reproduction</i> , 2016, 151, 509-516.	2.6	12
50	Conceptus implantation and placentation: molecules related to epithelialâ€mesenchymal transition, lymphocyte homing, endogenous retroviruses, and exosomes. <i>Reproductive Medicine and Biology</i> , 2016, 15, 1-11.	2.4	11
51	Characterizations of the Bovine Subtype Interferon-tau Genes: Sequences of Genes and Biological Activity of Transcription Factors in JEG3 Cell. <i>Journal of Animal Reproduction and Biotechnology</i> , 2016, 31, 335-347.	0.6	1
52	Baton pass hypothesis: successive incorporation of unconserved endogenous retroviral genes for placentation during mammalian evolution. <i>Genes To Cells</i> , 2015, 20, 771-788.	1.2	61
53	Regulatory Action of Calcium Ion on Cyclic AMP-Enhanced Expression of Implantation-Related Factors in Human Endometrial Cells. <i>PLoS ONE</i> , 2015, 10, e0132017.	2.5	26
54	The Role of Endometrial Selectins and Their Ligands on Bovine Conceptus Attachment to the Uterine Epithelium During Peri-Implantation Period1. <i>Biology of Reproduction</i> , 2015, 93, 46.	2.7	25

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55	EPAC2-mediated calreticulin regulates LIF and COX2 expression in human endometrial glandular cells. <i>Journal of Molecular Endocrinology</i> , 2015, 54, 17-24.	2.5	20
56	The localization of <sc>GATA2</sc> in the nuclear and cytoplasmic regions of ovine conceptuses. <i>Animal Science Journal</i> , 2014, 85, 981-985.	1.4	1
57	Expression and <i>in situ</i> localization of <i><sc>GATA4</sc>, 5</i> and <i><sc>mRNAs</sc></i> in ovine conceptuses and uterine endometria during the periâ€implantation period. <i>Animal Science Journal</i> , 2014, 85, 388-394.	1.4	3
58	Involvement of VCAM1 in the bovine conceptus adhesion to the uterine endometrium. <i>Reproduction</i> , 2014, 148, 119-127.	2.6	36
59	Establishment and characterization of immortalized bovine endometrial epithelial cells. <i>Animal Science Journal</i> , 2014, 85, 799-804.	1.4	7
60	RNA-Seq Analysis of Equine Conceptus Transcripts during Embryo Fixation and Capsule Disappearance. <i>PLoS ONE</i> , 2014, 9, e114414.	2.5	3
61	Changes in Gene Expression Associated with Conceptus Implantation to the Maternal Endometrium. <i>Journal of Mammalian Ova Research</i> , 2013, 30, 2-10.	0.1	1
62	Dynamic Evolution of Endogenous Retrovirus-Derived Genes Expressed in Bovine Conceptuses during the Period of Placentation. <i>Genome Biology and Evolution</i> , 2013, 5, 296-306.	2.5	30
63	Downâ€regulation of interferon tau gene transcription with a transcription factor, EOMES. <i>Molecular Reproduction and Development</i> , 2013, 80, 371-383.	2.0	20
64	Expression and Potential Role of GATA Factors in Trophoblast Development. <i>Journal of Reproduction and Development</i> , 2013, 59, 1-6.	1.4	39
65	Transcriptional Regulation of Two Conceptus Interferon Tau Genes Expressed in Japanese Black Cattle during Peri-Implantation Period. <i>PLoS ONE</i> , 2013, 8, e80427.	2.5	12
66	Expression of Endometrial Immune-related Genes Possibly Functioning During Early Pregnancy in the Mare. <i>Journal of Reproduction and Development</i> , 2013, 59, 85-91.	1.4	8
67	Regulation of Interferon-stimulated Gene (&lt;it>ISG&lt;/it>)&lt;it>12&lt;/it>, &lt;it>ISG15&lt;/it>, and &lt;it>MX1&lt;/it> and &lt;it>MX2&lt;/it> by Conceptus Interferons (IFNTs) in Bovine Uterine Epithelial Cells. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 795-803.	2.4	23
68	Presence of Transcription Factor OCT4 Limits Interferon-tau Expression during the Pre-attachment Period in Sheep. <i>Asian-Australasian Journal of Animal Sciences</i> , 2013, 26, 638-645.	2.4	7
69	Expression of mesenchymal-related genes by the bovine trophectoderm following conceptus attachment to the endometrial epithelium. <i>Reproduction</i> , 2012, 143, 377-387.	2.6	62
70	Coculture System That Mimics In Vivo Attachment Processes in Bovine Trophoblast Cells1. <i>Biology of Reproduction</i> , 2012, 87, 60.	2.7	34
71	Expression and Potential Role of GATA6 in Ruminant Trophoblasts during Peri-Implantation Periods. <i>Journal of Mammalian Ova Research</i> , 2012, 29, 135-141.	0.1	2
72	Expression of GATA1 in the ovine conceptus and endometrium during the periâ€attachment period. <i>Molecular Reproduction and Development</i> , 2012, 79, 64-73.	2.0	11

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73	Functions of interferon tau as an immunological regulator for establishment of pregnancy. <i>Reproductive Medicine and Biology</i> , 2012, 11, 109-116.	2.4	14
74	Binding of transcription factor activating protein 2 $\beta$ on the 5' proximal promoter region of human porcine endogenous retrovirus subgroup A receptor 2/GPR172B. <i>Xenotransplantation</i> , 2012, 19, 177-185.	2.8	4
75	Retroviral Endogenization and Its Role in the Genital Tract during Mammalian Evolution. <i>Journal of Mammalian Ova Research</i> , 2011, 28, 203-218.	0.1	7
76	Regulation of Trophoblast-Specific Factors by GATA2 and GATA3 in Bovine Trophoblast CT-1 Cells. <i>Journal of Reproduction and Development</i> , 2011, 57, 518-525.	1.4	35
77	Production of Calcium Maintenance Factor Stanniocalcin-1 (STC1) by the Equine Endometrium During the Early Pregnant Period. <i>Journal of Reproduction and Development</i> , 2011, 57, 203-211.	1.4	12
78	Identification and characterization of full-length vps29 gene in five mammalian species. <i>Genes and Genomics</i> , 2011, 33, 505-512.	1.4	0
79	Identification of Novel Endogenous Betaretroviruses Which Are Transcribed in the Bovine Placenta. <i>Journal of Virology</i> , 2011, 85, 1237-1245.	3.4	36
80	Intrauterine administration of peripheral blood mononuclear cells enhances early development of the pre-implantation bovine embryo. <i>Molecular Reproduction and Development</i> , 2010, 77, 954-962.	2.0	22
81	Function of a Transcription Factor CDX2 Beyond Its Trophectoderm Lineage Specification. <i>Endocrinology</i> , 2010, 151, 5873-5881.	2.8	36
82	CD9 regulates transcription factor GCM1 and ERVWE1 expression through the cAMP/protein kinase A signaling pathway. <i>Reproduction</i> , 2009, 138, 945-951.	2.6	29
83	Induction of Endogenous Interferon Tau Gene Transcription by CDX2 and High Acetylation in Bovine Nontrophoblast Cells1. <i>Biology of Reproduction</i> , 2009, 80, 1223-1231.	2.7	51
84	Involvement of GATA transcription factors in the regulation of endogenous bovine interferon- $\tau$ gene transcription. <i>Molecular Reproduction and Development</i> , 2009, 76, 1143-1152.	2.0	45
85	Molecular Mechanisms Associated with Conceptus-Endometrium Interactions During the Peri-Implantation Period in Ruminants. <i>Journal of Mammalian Ova Research</i> , 2009, 26, 98-110.	0.1	2
86	Regulation of the ovine interferon-tau gene by a blastocyst-specific transcription factor, Cdx2. <i>Molecular Reproduction and Development</i> , 2006, 73, 559-567.	2.0	42
87	Regulation of conceptus adhesion by endometrial CXC chemokines during the implantation period in sheep. <i>Molecular Reproduction and Development</i> , 2006, 73, 850-858.	2.0	52
88	Regulation of embryo outgrowth by a morphogenic factor, epimorphin, in the mouse. <i>Molecular Reproduction and Development</i> , 2005, 70, 455-463.	2.0	14
89	Different levels of ovine interferon- $\tau$ gene expressions are regulated through the short promoter region including Ets-2 binding site. <i>Molecular Reproduction and Development</i> , 2005, 72, 7-15.	2.0	5
90	Changes in Immune Cell Distribution and IL-10 Production are Regulated through Endometrial IP-10 Expression in the Goat Uterus. <i>American Journal of Reproductive Immunology</i> , 2005, 53, 54-64.	1.2	35

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91	Effects of Progranulin on Blastocyst Hatching and Subsequent Adhesion and Outgrowth in the Mouse1. <i>Biology of Reproduction</i> , 2005, 73, 434-442.	2.7	46
92	Pre-Implantation Conceptus and Maternal Uterine Communications: Molecular Events Leading to Successful Implantation. <i>Journal of Reproduction and Development</i> , 2004, 50, 155-169.	1.4	36
93	Increase in DNA methylation downregulates conceptus interferon-tau gene expression. <i>Molecular Reproduction and Development</i> , 2004, 67, 396-405.	2.0	16
94	Coactivator CBP in the regulation of conceptus IFN $\gamma$ gene transcription. <i>Molecular Reproduction and Development</i> , 2003, 65, 23-29.	2.0	22
95	Regulation of Blastocyst Migration, Apposition, and Initial Adhesion by a Chemokine, Interferon $\gamma$ -inducible Protein 10 kDa (IP-10), during Early Gestation. <i>Journal of Biological Chemistry</i> , 2003, 278, 29048-29056.	3.4	84
96	A Chemokine, Interferon (IFN)- $\gamma$ -Inducible Protein 10 kDa, Is Stimulated by IFN- $\gamma$ , and Recruits Immune Cells in the Ovine Endometrium1. <i>Biology of Reproduction</i> , 2003, 68, 1413-1421.	2.7	63
97	Use of DNA Array to Screen Blastocyst Genes Potentially Involved in the Process of Murine Implantation. <i>Journal of Reproduction and Development</i> , 2003, 49, 473-484.	1.4	8
98	Temporal Expression of Type I Interferon Receptor in the Peri-Implantation Ovine Extra-Embryonic Membranes: Demonstration that Human IFN.ALPHA. Can Bind to This Receptor.. <i>Endocrine Journal</i> , 2002, 49, 195-205.	1.6	37
99	Long Term Selection for Small Body Weight in Japanese Quail. I: Direct Selection Response from 60 to 65th Generations.. <i>Journal of Poultry Science</i> , 2002, 39, 274-284.	1.6	3
100	Differentiation of Pregnant Shiba Goats Using Plasma Amino Acid Concentrations and Mathematical Analysis.. <i>Journal of Reproduction and Development</i> , 2002, 48, 523-529.	1.4	0
101	Enhancer regions of ovine interferon- $\gamma$ , gene that confer PMA response or cell type specific transcription. <i>Molecular and Cellular Endocrinology</i> , 2001, 173, 147-155.	3.2	14
102	Induction of Short Ovulatory Cycle in Shiba-Goats by Repeated Treatments with Prostaglandin F2.ALPHA... <i>Journal of Reproduction and Development</i> , 2001, 47, 97-103.	1.4	0
103	Regulation of Interferon-TAU. Gene Expression and the Maternal Recognition of Pregnancy.. <i>Journal of Reproduction and Development</i> , 2001, 47, 69-82.	1.4	4
104	Analysis of Possible Silencer Elements of Ovine Interferon-TAU. Gene.. <i>Endocrine Journal</i> , 2000, 47, 137-142.	1.6	6
105	The poly(A) tail length of casein mRNA in the lactating mammary gland changes depending upon the accumulation and removal of milk. <i>Biochemical Journal</i> , 2000, 347, 579-583.	3.7	20
106	Effects of PMA and Transcription Factors on Ovine Interferon-TAU. Transactivation in Various Cell Lines.. <i>Endocrine Journal</i> , 1999, 46, 383-388.	1.6	8
107	Identification of a functional transcriptional factor AP-1 site in the sheep interferon $\gamma$ , gene that mediates a response to PMA in JEG3 cells. <i>Biochemical Journal</i> , 1999, 340, 767-773.	3.7	28
108	Identification of a functional transcriptional factor AP-1 site in the sheep interferon $\gamma$ , gene that mediates a response to PMA in JEG3 cells. <i>Biochemical Journal</i> , 1999, 340, 767.	3.7	21

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109	Identification of Interferon-Tau at the Maternal-Fetal Interface in Shiba Goats.. Journal of Reproduction and Development, 1999, 45, 249-257.	1.4	4
110	Co-Expression of Transforming Growth Factor .BETA. and Interferon .TAU. During Peri-Implantation Period in the Ewe.. Endocrine Journal, 1998, 45, 441-450.	1.6	17
111	Effects of Weaning and Suckling on $\beta$ -Casein and Prolactin Receptor mRNA Levels in the Mouse Mammary Gland during Lactation. Nihon Chikusan Gakkaiho, 1998, 69, 728-733.	0.2	0
112	Differential Expression of Distinct mRNAs for Ovine Trophoblast Protein-1 and Related Sheep Type I Interferons1. Biology of Reproduction, 1993, 48, 768-778.	2.7	58
113	The Production, Purification, and Bioactivity of Recombinant Bovine Trophoblast Protein-1 (Bovine) Tj ETQq1 1 0.784314 rgBT /Overl	3.7	60
114	Molecular Cloning and Characterization of Complementary Deoxyribonucleic Acids Corresponding to Bovine Trophoblast Protein-1: A Comparison with Ovine Trophoblast Protein-1 and Bovine Interferon- $\beta$ . Molecular Endocrinology, 1989, 3, 127-139.	3.7	167
115	Suppression of T $\alpha$ Lymphocyte Blastogenesis by Ovine Trophoblast Protein $\alpha$ 1 and Human Interferon $\alpha$ 1 May Be Independent of Interleukin $\alpha$ 2 Production. American Journal of Reproductive Immunology, 1989, 20, 21-26.	1.2	23
116	Interferon-like sequence of ovine trophoblast protein secreted by embryonic trophectoderm. Nature, 1987, 330, 377-379.	27.8	451
117	Phylogenomics and Spatiotemporal Dynamics of Bovine Leukemia Virus Focusing on Asian Native Cattle: Insights Into the Early Origin and Global Dissemination. Frontiers in Microbiology, 0, 13, .	3.5	1
118	New Roles for EVs, miRNA and lncRNA in Bovine Embryo Implantation. Frontiers in Veterinary Science, 0, 9, .	2.2	7
119	Intrauterine infusion of low levels of interferon $\alpha$ tau on day $\alpha$ 8 post $\alpha$ estrus stimulates the bovine endometrium to secrete apolipoprotein $\alpha$ 1: A possible implication for early embryo tolerance. American Journal of Reproductive Immunology, 0, , .	1.2	0