

Ralf Einspanier

List of Publications by Year in descending order

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96
papers

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citations

147801

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98
docs citations

98
times ranked

6126
citing authors

#	ARTICLE	IF	CITATIONS
1	Discovering microRNAs from deep sequencing data using miRDeep. <i>Nature Biotechnology</i> , 2008, 26, 407-415.	17.5	1,102
2	Integrated MicroRNA-mRNA-Analysis of Human Monocyte Derived Macrophages upon <i>Mycobacterium avium</i> subsp. <i>hominissuis</i> Infection. <i>PLoS ONE</i> , 2011, 6, e20258.	2.5	159
3	Monozygotic Twin Model Reveals Novel Embryo-Induced Transcriptome Changes of Bovine Endometrium in the Preattachment Period ¹ . <i>Biology of Reproduction</i> , 2006, 74, 253-264.	2.7	146
4	Selected pro-inflammatory factor transcripts in bovine endometrial epithelial cells are regulated during the oestrous cycle and elevated in case of subclinical or clinical endometritis. <i>Reproduction, Fertility and Development</i> , 2010, 22, 818.	0.4	141
5	Transepithelial electrical resistance (TEER): a functional parameter to monitor the quality of oviduct epithelial cells cultured on filter supports. <i>Histochemistry and Cell Biology</i> , 2015, 144, 509-515.	1.7	116
6	Tracing residual recombinant feed molecules during digestion and rumen bacterial diversity in cattle fed transgene maize. <i>European Food Research and Technology</i> , 2004, 218, 269-273.	3.3	114
7	miR-Q: a novel quantitative RT-PCR approach for the expression profiling of small RNA molecules such as miRNAs in a complex sample. <i>BMC Molecular Biology</i> , 2008, 9, 34.	3.0	112
8	Down regulated lncRNA MEG3 eliminates mycobacteria in macrophages via autophagy. <i>Scientific Reports</i> , 2016, 6, 19416.	3.3	105
9	Differential Gene Regulation under Altered Gravity Conditions in Follicular Thyroid Cancer Cells: Relationship between the Extracellular Matrix and the Cytoskeleton. <i>Cellular Physiology and Biochemistry</i> , 2011, 28, 185-198.	1.6	88
10	Time-dependent mRNA expression of selected pro-inflammatory factors in the endometrium of primiparous cows postpartum. <i>Reproductive Biology and Endocrinology</i> , 2010, 8, 152.	3.3	81
11	Short-term weightlessness produced by parabolic flight maneuvers altered gene expression patterns in human endothelial cells. <i>FASEB Journal</i> , 2012, 26, 639-655.	0.5	77
12	Proteome of Metastatic Canine Mammary Carcinomas: Similarities to and Differences from Human Breast Cancer. <i>Journal of Proteome Research</i> , 2010, 9, 6380-6391.	3.7	76
13	Deciphering the porcine intestinal microRNA transcriptome. <i>BMC Genomics</i> , 2010, 11, 275.	2.8	71
14	A Long Journey Ahead: Long Non-coding RNAs in Bacterial Infections. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 95.	3.9	71
15	Glycine-Terminated Dendritic Amphiphiles for Nonviral Gene Delivery. <i>Biomacromolecules</i> , 2012, 13, 3087-3098.	5.4	60
16	In Vitro Mimicking of Estrous Cycle Stages in Porcine Oviduct Epithelium Cells: Estradiol and Progesterone Regulate Differentiation, Gene Expression, and Cellular Function ¹ . <i>Biology of Reproduction</i> , 2013, 89, 54.	2.7	60
17	Ninety-day oral toxicity studies on two genetically modified maize MON810 varieties in Wistar Han RCC rats (EU 7th Framework Programme project GRACE). <i>Archives of Toxicology</i> , 2014, 88, 2289-2314.	4.2	55
18	Quantification and accurate normalisation of small RNAs through new custom RT-qPCR arrays demonstrates <i>Salmonella</i> -induced microRNAs in human monocytes. <i>BMC Genomics</i> , 2012, 13, 23.	2.8	50

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19	Intestinal Salmonella typhimurium Infection Leads to miR-29a Induced Caveolin 2 Regulation. PLoS ONE, 2013, 8, e67300.	2.5	46
20	Modelling the porcine oviduct epithelium: A polarized in vitro system suitable for long-term cultivation. Theriogenology, 2011, 76, 900-910.	2.1	44
21	Intestinal Expression of TFF and Related Genes During Postnatal Development in a Piglet Probiotic Trial. Cellular Physiology and Biochemistry, 2009, 23, 143-156.	1.6	41
22	Prenatal testosterone excess alters Sertoli and germ cell number and testicular FSH receptor expression in rams. American Journal of Physiology - Endocrinology and Metabolism, 2010, 299, E998-E1005.	3.5	41
23	Differential expression of cyclooxygenase 1 and cyclooxygenase 2 in the bovine oviduct. Journal of Endocrinology, 2006, 191, 263-274.	2.6	37
24	MicroRNA expression profiling of elongated cloned and in vitro fertilized bovine embryos. Theriogenology, 2010, 73, 71-85.	2.1	37
25	Case studies on genetically modified organisms (GMOs): Potential risk scenarios and associated health indicators. Food and Chemical Toxicology, 2018, 117, 36-65.	3.6	37
26	Differential gene expression in bovine elongated (Day 17) embryos produced by somatic cell nucleus transfer and in vitro fertilization. Theriogenology, 2010, 74, 45-59.	2.1	36
27	Detection and Characterisation of Lactobacillus spp. in the Bovine Uterus and Their Influence on Bovine Endometrial Epithelial Cells In Vitro. PLoS ONE, 2015, 10, e0119793.	2.5	36
28	One-year oral toxicity study on a genetically modified maize MON810 variety in Wistar Han RCC rats (EU 7th Framework Programme project GRACE). Archives of Toxicology, 2016, 90, 2531-2562.	4.2	33
29	Relaxin Supports Implantation and Early Pregnancy in the Marmoset Monkey. Annals of the New York Academy of Sciences, 2009, 1160, 140-146.	3.8	32
30	Long-term culture of primary porcine oviduct epithelial cells: Validation of a comprehensive in vitro model for reproductive science. Theriogenology, 2013, 80, 862-869.	2.1	32
31	Polyglycerol-based amphiphilic dendrons as potential siRNA carriers for in vivo applications. Journal of Materials Chemistry B, 2014, 2, 2153-2167.	5.8	32
32	<i>Enterococcus faecium</i> NCIMB 10415 Modulates Epithelial Integrity, Heat Shock Protein, and Proinflammatory Cytokine Response in Intestinal Cells. Mediators of Inflammation, 2015, 2015, 1-11.	3.0	32
33	Changes in the expression of pluripotency-associated genes during preimplantation and peri-implantation stages in bovine cloned and in vitro produced embryos. Zygote, 2010, 18, 269-279.	1.1	29
34	Identification of differentially expressed proteins in ruminal epithelium in response to a concentrate-supplemented diet. American Journal of Physiology - Renal Physiology, 2011, 301, G260-G268.	3.4	29
35	mRNA expression pattern of selected candidate genes differs in bovine oviductal epithelial cells in vitro compared with the in vivo state and during cell culture passages. Reproductive Biology and Endocrinology, 2016, 14, 44.	3.3	28
36	Increased mRNA expression of selected pro-inflammatory factors in inflamed bovine endometrium in vivo as well as in endometrial epithelial cells exposed to <i>Bacillus pumilus</i> in vitro. Reproduction, Fertility and Development, 2016, 28, 982.	0.4	28

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37	Is There a Malignant Progression Associated with a Linear Change in Protein Expression Levels from Normal Canine Mammary Gland to Metastatic Mammary Tumors?. <i>Journal of Proteome Research</i> , 2011, 10, 4405-4415.	3.7	27
38	Feeding of <i>Enterococcus faecium</i> NCIMB 10415 Leads to Intestinal miRNA-423-5p-Induced Regulation of Immune-Relevant Genes. <i>Applied and Environmental Microbiology</i> , 2016, 82, 2263-2269.	3.1	27
39	<i>Mycobacterium bovis</i> BCG Interferes with miR-3619-5p Control of Cathepsin S in the Process of Autophagy. <i>Frontiers in Cellular and Infection Microbiology</i> , 2016, 6, 27.	3.9	26
40	Exploration of serum- and cell culture-derived exosomes from dogs. <i>BMC Veterinary Research</i> , 2018, 14, 179.	1.9	25
41	Seasonal variations in developmental competence and relative abundance of gene transcripts in buffalo (<i>Bubalus bubalis</i>) oocytes. <i>Theriogenology</i> , 2014, 82, 1055-1067.	2.1	24
42	Evaluation of Two Protocols Using Autologous Conditioned Serum for Intra-articular Therapy of Equine Osteoarthritisâ€”A Pilot Study Monitoring Cytokines and Cartilage-Specific Biomarkers. <i>Journal of Equine Veterinary Science</i> , 2018, 60, 35-42.e2.	0.9	24
43	Analysis of long non-coding RNA and mRNA expression in bovine macrophages brings up novel aspects of <i>Mycobacterium avium</i> subspecies paratuberculosis infections. <i>Scientific Reports</i> , 2019, 9, 1571.	3.3	24
44	Impact of <i>Bacillus thuringiensis</i> toxin Cry1Ab on rumen epithelial cells (REC) â€” A new in vitro model for safety assessment of recombinant food compounds. <i>Food and Chemical Toxicology</i> , 2008, 46, 1976-1984.	3.6	23
45	Relationships Between Uterine Blood Flow, Peripheral Sex Steroids, Expression of Endometrial Estrogen Receptors and Nitric Oxide Synthases During the Estrous Cycle in Mares. <i>Journal of Reproduction and Development</i> , 2011, 57, 43-48.	1.4	22
46	Concatameric cloning of porcine microRNA molecules after assembly PCR. <i>Biochemical and Biophysical Research Communications</i> , 2008, 375, 484-489.	2.1	20
47	Evaluation of three different point-of-care tests for quantitative measurement of canine C-reactive protein. <i>Veterinary Clinical Pathology</i> , 2015, 44, 205-214.	0.7	20
48	TFF3-dependent resistance of human colorectal adenocarcinoma cells HT-29/B6 to apoptosis is mediated by miR-491-5p regulation of lncRNA PRINS. <i>Cell Death Discovery</i> , 2017, 3, 16106.	4.7	19
49	Pituitary and testis responsiveness of young male sheep exposed to testosterone excess during fetal development. <i>Reproduction</i> , 2013, 145, 567-576.	2.6	18
50	Metalloproteinases and Their Tissue Inhibitors in Comparison between Different Chronic Pneumopathies in the Horse. <i>Mediators of Inflammation</i> , 2015, 2015, 1-9.	3.0	18
51	Bovine Endometrial Epithelial Cells Scale Their Pro-inflammatory Response In vitro to Pathogenic <i>Trueperella pyogenes</i> Isolated from the Bovine Uterus in a Strain-Specific Manner. <i>Frontiers in Cellular and Infection Microbiology</i> , 2017, 7, 264.	3.9	18
52	Feeding Low or Pharmacological Concentrations of Zinc Oxide Changes the Hepatic Proteome Profiles in Weaned Piglets. <i>PLoS ONE</i> , 2013, 8, e81202.	2.5	18
53	Establishment and characterization of a differentiated epithelial cell culture model derived from the porcine cervix uteri. <i>BMC Veterinary Research</i> , 2012, 8, 31.	1.9	16
54	Regulation of intracellular Zn homeostasis in two intestinal epithelial cell models at various maturation time points. <i>Journal of Physiological Sciences</i> , 2015, 65, 317-328.	2.1	16

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55	Metalloproteinases and their inhibitors are influenced by inhalative glucocorticoid therapy in combination with environmental dust reduction in equine recurrent airway obstruction. <i>BMC Veterinary Research</i> , 2016, 12, 282.	1.9	16
56	Surveying selected European feed and livestock production chains for features enabling the case-specific post-market monitoring of livestock for intake and potential health impacts of animal feeds derived from genetically modified crops. <i>Food and Chemical Toxicology</i> , 2018, 117, 66-78.	3.6	16
57	Characterization of key genes of the renin-angiotensin system in mature feline adipocytes and during <i>in vitro</i> adipogenesis. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2016, 100, 1139-1148.	2.2	15
58	Evaluation of a point-of-care test for canine C-reactive protein. <i>Veterinary Clinical Pathology</i> , 2011, 40, 384-388.	0.7	13
59	<i>Arcobacter butzleri</i> induces a pro-inflammatory response in THP-1 derived macrophages and has limited ability for intracellular survival. <i>International Journal of Medical Microbiology</i> , 2014, 304, 1209-1217.	3.6	13
60	Exposure of livestock to GM feeds: Detectability and measurement. <i>Food and Chemical Toxicology</i> , 2018, 117, 13-35.	3.6	13
61	<i>Mycobacterium smegmatis</i> But Not <i>Mycobacterium avium</i> subsp. <i>hominissuis</i> Causes Increased Expression of the Long Non-Coding RNA MEG3 in THP-1-Derived Human Macrophages and Associated Decrease of TGF- β 2. <i>Microorganisms</i> , 2019, 7, 63.	3.6	13
62	Transcriptome and proteome analysis of tyrosine kinase inhibitor treated canine mast cell tumour cells identifies potentially kit signaling-dependent genes. <i>BMC Veterinary Research</i> , 2012, 8, 96.	1.9	12
63	Effects of selected insecticidal substances on mRNA transcriptome in larvae of <i>Apis mellifera</i> . <i>Pesticide Biochemistry and Physiology</i> , 2020, 170, 104703.	3.6	12
64	Regulation of Endometrial Fibroblast Growth Factor 7 (FGF-7) and Its Receptor FGFR2IIIb in Gilts after Sex Steroid Replacements, and during the Estrous Cycle and Early Gestation. <i>Journal of Reproduction and Development</i> , 2005, 51, 509-519.	1.4	11
65	Fate of genetically modified maize and conventional rapeseed, and endozoochory in wild boar (<i>Sus</i>) Tj ETQq1 1 0.784314 rgBT /Overl	1.5	11
66	Identification of miRNAs in Bovine Endometrium through RNA-seq and Prediction of Regulated Pathways. <i>Reproduction in Domestic Animals</i> , 2015, 50, 800-806.	1.4	11
67	Synovial Fluid and Serum Concentrations of Interleukin-1 Receptor Antagonist and Interleukin-1 β in Naturally Occurring Equine Osteoarthritis and Septic Arthritis. <i>Journal of Equine Veterinary Science</i> , 2015, 35, 815-822.	0.9	11
68	Microrna Response of Primary Human Macrophages to <i>Arcobacter Butzleri</i> Infection. <i>European Journal of Microbiology and Immunology</i> , 2016, 6, 99-108.	2.8	11
69	Influence of Incubation Time and Incubation Tube on the Cytokine and Growth Factor Concentrations of Autologous Conditioned Serum in Horses. <i>Journal of Equine Veterinary Science</i> , 2019, 75, 30-34.	0.9	11
70	Cry1Ab Treatment Has No Effects on Viability of Cultured Porcine Intestinal Cells, but Triggers Hsp70 Expression. <i>PLoS ONE</i> , 2013, 8, e67079.	2.5	10
71	Effects of the <i>Bacillus thuringiensis</i> Toxin Cry1Ab on Membrane Currents of Isolated Cells of the Ruminal Epithelium. <i>Journal of Membrane Biology</i> , 2007, 219, 37-47.	2.1	9
72	Luteal insufficiency in bitches as a consequence of an autoimmune response against progesterone?. <i>Theriogenology</i> , 2013, 79, 1278-1283.	2.1	9

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73	Small molecule and RNAi induced phenotype transition of expanded and primary colonic epithelial cells. <i>Scientific Reports</i> , 2015, 5, 12681.	3.3	9
74	Comparative transcriptomics indicates endogenous differences in detoxification capacity after formic acid treatment between honey bees and varroa mites. <i>Scientific Reports</i> , 2020, 10, 21943.	3.3	9
75	<i>Campylobacter jejuni</i> genes Cj1492c and Cj1507c are involved in host cell adhesion and invasion. <i>Gut Pathogens</i> , 2020, 12, 8.	3.4	9
76	Experimental and bioinformatic analysis of cultured Bovine Endometrial Cells (BEND) responding to interferon tau (IFNT). <i>Reproductive Biology and Endocrinology</i> , 2016, 14, 22.	3.3	7
77	Interleukin-1 Receptor Antagonist and Interleukin-1 Beta Levels in Equine Synovial Fluid of Normal and Osteoarthritic Joints: Influence of Anatomic Joint Location and Repeated Arthrocentesis. <i>Journal of Equine Veterinary Science</i> , 2016, 42, 67-72.	0.9	6
78	Transcriptomic Analysis of Intestinal Tissues from Two 90-Day Feeding Studies in Rats Using Genetically Modified MON810 Maize Varieties. <i>Frontiers in Genetics</i> , 2017, 8, 222.	2.3	6
79	The Common Marmoset Monkey as a Model for Implantation and Early Pregnancy Research. , 2006, 121, 109-122.		5
80	Elongation and gene expression in bovine cloned embryos transferred to temporary recipients. <i>Zygote</i> , 2009, 17, 353-365.	1.1	5
81	Dose Effects of Apical versus Basolateral Zinc Supplementation on Epithelial Resistance, Viability, and Metallothionein Expression in Two Intestinal Epithelial Cell Lines. <i>Journal of Biochemical and Molecular Toxicology</i> , 2015, 29, 410-417.	3.0	5
82	Validation of an enzyme-linked immunosorbent assay for measurement of feline haptoglobin. <i>Journal of Veterinary Diagnostic Investigation</i> , 2016, 28, 235-243.	1.1	5
83	Trefoil factor 3 mediates resistance to apoptosis in colon carcinoma cells by a regulatory RNA axis. <i>Cell Death and Disease</i> , 2017, 8, e2660-e2660.	6.3	5
84	Metalloproteinases and their Inhibitors under the Course of Immunostimulation by CPG-ODN and Specific Antigen Inhalation in Equine Asthma. <i>Mediators of Inflammation</i> , 2019, 2019, 1-7.	3.0	5
85	The glycosyltransferase ST3GAL2 is regulated by miR-615-3p in the intestinal tract of <i>Campylobacter jejuni</i> infected mice. <i>Gut Pathogens</i> , 2021, 13, 42.	3.4	5
86	Structural Analysis of microRNA-Target Interaction by Sequential Seed Mutagenesis and Stem-Loop 3' RACE. <i>PLoS ONE</i> , 2013, 8, e81427.	2.5	5
87	Deregulation of miR-27a may contribute to canine fibroblast activation after coculture with a mast cell tumour cell line. <i>FEBS Open Bio</i> , 2020, 10, 802-816.	2.3	4
88	Proposed criteria for the evaluation of the scientific quality of mandatory rat and mouse feeding trials with whole food/feed derived from genetically modified plants. <i>Archives of Toxicology</i> , 2016, 90, 2287-2291.	4.2	3
89	Are pulmonary hemostasis and fibrinolysis out of balance in equine chronic pneumopathies?. <i>Journal of Veterinary Science</i> , 2017, 18, 349.	1.3	3
90	Influence of formic acid treatment on the proteome of the ectoparasite <i>Varroa destructor</i> . <i>PLoS ONE</i> , 2021, 16, e0258845.	2.5	3

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91	In silico cytotoxicity assessment on cultured rat intestinal cells deduced from cellular impedance measurements. <i>Toxicology in Vitro</i> , 2017, 41, 179-188.	2.4	2
92	Expression profiling of key pathways in rat liver after a one-year feeding trial with transgenic maize MON810. <i>Scientific Reports</i> , 2019, 9, 18915.	3.3	2
93	MicroRNA-15 family targets the hedgehog signaling pathway during postnatal development of porcine intestine. <i>Biochemical and Biophysical Research Communications</i> , 2019, 508, 832-837.	2.1	2
94	A Detoxification Enzyme for <i>Apis mellifera</i> Newly Characterized by Recombinant Expression: 10-Formyl Tetrahydrofolate Dehydrogenase. <i>Frontiers in Insect Science</i> , 2022, 2, .	2.1	2
95	Co-incubation of dsRNA reduces proportion of viable spores of <i>Ascospaera apis</i> , a honey bee fungal pathogen. <i>Journal of Apicultural Research</i> , 2020, 59, 791-799.	1.5	1
96	mRNA Expression of Selected Candidate Genes in the Bovine Oviduct Is Influenced by the Energy Status as a Long-Term Effect.. <i>Biology of Reproduction</i> , 2012, 87, 45-45.	2.7	0