

Michael W Pfaffl

List of Publications by Year in descending order

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226
papers

71,276
citations

44069

48
h-index

1568

217
g-index

234
all docs

234
docs citations

234
times ranked

89812
citing authors

#	ARTICLE	IF	CITATIONS
1	A new mathematical model for relative quantification in real-time RT-PCR. <i>Nucleic Acids Research</i> , 2001, 29, 45e-45.	14.5	28,594
2	The MIQE Guidelines: Minimum Information for Publication of Quantitative Real-Time PCR Experiments. <i>Clinical Chemistry</i> , 2009, 55, 611-622.	3.2	12,487
3	Minimal information for studies of extracellular vesicles 2018 (MISEV2018): a position statement of the International Society for Extracellular Vesicles and update of the MISEV2014 guidelines. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1535750.	12.2	6,961
4	Relative expression software tool (REST(C)) for group-wise comparison and statistical analysis of relative expression results in real-time PCR. <i>Nucleic Acids Research</i> , 2002, 30, 36e-36.	14.5	6,443
5	Determination of stable housekeeping genes, differentially regulated target genes and sample integrity: BestKeeper – Excel-based tool using pair-wise correlations. <i>Biotechnology Letters</i> , 2004, 26, 509-515.	2.2	4,156
6	RNA integrity and the effect on the real-time qRT-PCR performance. <i>Molecular Aspects of Medicine</i> , 2006, 27, 126-139.	6.4	1,210
7	Quantitative real-time RT-PCR – a perspective. <i>Journal of Molecular Endocrinology</i> , 2005, 34, 597-601.	2.5	1,096
8	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017, 14, 228-232.	19.0	886
9	The Digital MIQE Guidelines: Minimum Information for Publication of Quantitative Digital PCR Experiments. <i>Clinical Chemistry</i> , 2013, 59, 892-902.	3.2	723
10	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA – an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1286095.	12.2	561
11	Comparison of relative mRNA quantification models and the impact of RNA integrity in quantitative real-time RT-PCR. <i>Biotechnology Letters</i> , 2006, 28, 1601-1613.	2.2	487
12	How good is a PCR efficiency estimate: Recommendations for precise and robust qPCR efficiency assessments. <i>Biomolecular Detection and Quantification</i> , 2015, 3, 9-16.	7.0	395
13	Standardized determination of real-time PCR efficiency from a single reaction set-up. <i>Nucleic Acids Research</i> , 2003, 31, 122e-122.	14.5	372
14	RefGenes: identification of reliable and condition specific reference genes for RT-qPCR data normalization. <i>BMC Genomics</i> , 2011, 12, 156.	2.8	260
15	Title is missing!. <i>Biotechnology Letters</i> , 2001, 23, 275-282.	2.2	251
16	The need for transparency and good practices in the qPCR literature. <i>Nature Methods</i> , 2013, 10, 1063-1067.	19.0	251
17	The Digital MIQE Guidelines Update: Minimum Information for Publication of Quantitative Digital PCR Experiments for 2020. <i>Clinical Chemistry</i> , 2020, 66, 1012-1029.	3.2	247
18	mRNA and microRNA quality control for RT-qPCR analysis. <i>Methods</i> , 2010, 50, 237-243.	3.8	216

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19	Comparison of Reverse Transcriptases in Gene Expression Analysis. <i>Clinical Chemistry</i> , 2004, 50, 1678-1680.	3.2	207
20	Evaluation of qPCR curve analysis methods for reliable biomarker discovery: Bias, resolution, precision, and implications. <i>Methods</i> , 2013, 59, 32-46.	3.8	197
21	Normalization strategies for microRNA profiling experiments: a "normal" way to a hidden layer of complexity?. <i>Biotechnology Letters</i> , 2010, 32, 1777-1788.	2.2	190
22	Evaluation of serum extracellular vesicle isolation methods for profiling miRNAs by next-generation sequencing. <i>Journal of Extracellular Vesicles</i> , 2018, 7, 1481321.	12.2	177
23	Real-time RT-PCR quantification of insulin-like growth factor (IGF)-1, IGF-1 receptor, IGF-2, IGF-2 receptor, insulin receptor, growth hormone receptor, IGF-binding proteins 1, 2 and 3 in the bovine species. <i>Domestic Animal Endocrinology</i> , 2002, 22, 91-102.	1.6	175
24	Short-term changes of mRNA expression of various inflammatory factors and milk proteins in mammary tissue during LPS-induced mastitis. <i>Domestic Animal Endocrinology</i> , 2004, 26, 111-126.	1.6	150
25	Tissue-specific expression pattern of estrogen receptors (ER): Quantification of ERalpha and ERbeta mRNA with real-time RT-PCR. <i>Apmsis</i> , 2001, 109, 345-355.	2.0	129
26	Inhibition of real-time RT-PCR quantification due to tissue-specific contaminants. <i>Molecular and Cellular Probes</i> , 2004, 18, 45-50.	2.1	122
27	Class I odorant receptors, TAS1R and TAS2R taste receptors, are markers for subpopulations of circulating leukocytes. <i>Journal of Leukocyte Biology</i> , 2015, 97, 533-545.	3.3	122
28	The effects of branched-chain amino acid interactions on growth performance, blood metabolites, enzyme kinetics and transcriptomics in weaned pigs. <i>British Journal of Nutrition</i> , 2010, 103, 964-976.	2.3	110
29	Involvement of Pro-Inflammatory Cytokines, Mediators of Inflammation, and Basic Fibroblast Growth Factor in Prostaglandin F2 α -Induced Luteolysis in Bovine Corpus Luteum I. <i>Biology of Reproduction</i> , 2004, 70, 473-480.	2.7	101
30	Toward reliable biomarker signatures in the age of liquid biopsies - how to standardize the small RNA-Seq workflow. <i>Nucleic Acids Research</i> , 2016, 44, 5995-6018.	14.5	97
31	Expression of Estrogen and Progesterone Receptors in the Bovine Ovary During Estrous Cycle and Pregnancy. <i>Endocrine</i> , 2002, 17, 207-214.	2.2	84
32	Cellular and extracellular miRNAs are blood-compartment-specific diagnostic targets in sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2017, 21, 2403-2411.	3.6	84
33	Angiogenesis in The Ovary " The Most Important Regulatory Event for Follicle and Corpus Luteum Development and Function in Cow " An Overview. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2016, 45, 124-130.	0.7	73
34	Expression and localisation of oestrogen and progesterone receptors in the bovine mammary gland during development, function and involution. <i>Journal of Endocrinology</i> , 2003, 177, 305-317.	2.6	72
35	microRNA in native and processed cow's milk and its implication for the farm milk effect on asthma. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, 1893-1895.e13.	2.9	69
36	The influence of polyphenol rich apple pomace or red-wine pomace diet on the gut morphology in weaning piglets. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2007, 91, 289-296.	2.2	68

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37	The use of omic technologies for biomarker development to trace functions of anabolic agents. <i>Journal of Chromatography A</i> , 2009, 1216, 8192-8199.	3.7	63
38	Primer Sequence Disclosure: A Clarification of the MIQE Guidelines. <i>Clinical Chemistry</i> , 2011, 57, 919-921.	3.2	63
39	Human airway epithelial extracellular vesicle miRNA signature is altered upon asthma development. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2020, 75, 346-356.	5.7	60
40	Insulin-like growth factor and insulin receptors in intestinal mucosa of neonatal calves. <i>Journal of Endocrinology</i> , 2003, 176, 121-132.	2.6	59
41	Gene Expression of Immunologically Important Factors in Blood Cells, Milk Cells, and Mammary Tissue of Cows. <i>Journal of Dairy Science</i> , 2003, 86, 538-545.	3.4	58
42	Tissue-specific expression pattern of bovine prion gene: quantification using real-time RT-PCR. <i>Molecular and Cellular Probes</i> , 2003, 17, 5-10.	2.1	58
43	Effect of zinc deficiency on the mRNA expression pattern in liver and jejunum of adult rats: monitoring gene expression using cDNA microarrays combined with real-time RT-PCR. <i>Journal of Nutritional Biochemistry</i> , 2003, 14, 691-702.	4.2	56
44	Title is missing!. <i>Biotechnology Letters</i> , 2002, 24, 2053-2056.	2.2	55
45	The Beneficial Effect of Farm Milk Consumption on Asthma, Allergies, and Infections: From Meta-Analysis of Evidence to Clinical Trial. <i>Journal of Allergy and Clinical Immunology: in Practice</i> , 2020, 8, 878-889.e3.	3.8	53
46	Electric cell-substrate impedance sensing (ECIS) based real-time measurement of titer dependent cytotoxicity induced by adenoviral vectors in an IPI-2I cell culture model. <i>Biosensors and Bioelectronics</i> , 2011, 26, 2000-2005.	10.1	52
47	Transcriptional biomarkers – High throughput screening, quantitative verification, and bioinformatical validation methods. <i>Methods</i> , 2013, 59, 3-9.	3.8	52
48	Profound Effect of Profiling Platform and Normalization Strategy on Detection of Differentially Expressed MicroRNAs – A Comparative Study. <i>PLoS ONE</i> , 2012, 7, e38946.	2.5	50
49	miRNA92a targets KLF2 and the phosphatase PTEN signaling to promote human T follicular helper precursors in T1D islet autoimmunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, E6659-E6668.	7.1	50
50	Analysis of key molecules of the innate immune system in mammary epithelial cells isolated from marker-assisted and conventionally selected cattle. <i>Journal of Dairy Science</i> , 2009, 92, 4621-4633.	3.4	49
51	Optimization of Extraction of Circulating RNAs from Plasma – Enabling Small RNA Sequencing. <i>PLoS ONE</i> , 2014, 9, e107259.	2.5	49
52	The gastrointestinal tract as target of steroid hormone action: Quantification of steroid receptor mRNA expression (AR, ER1±, ER1² and PR) in 10 bovine gastrointestinal tract compartments by kinetic RT-PCR. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003, 84, 159-166.	2.5	48
53	Modification of mRNA expression after treatment with anabolic agents and the usefulness for gene expression-biomarkers. <i>Analytica Chimica Acta</i> , 2007, 586, 73-81.	5.4	48
54	Comparing small urinary extracellular vesicle purification methods with a view to RNA sequencing – Enabling robust and non-invasive biomarker research. <i>Biomolecular Detection and Quantification</i> , 2019, 17, 100089.	7.0	47

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55	Differential expression of molecular motors in the motor cortex of sporadic ALS. <i>Neurobiology of Disease</i> , 2007, 26, 577-589.	4.4	46
56	Cautionary Note on Contamination of Reagents Used for Molecular Detection of SARS-CoV-2. <i>Clinical Chemistry</i> , 2020, 66, 1369-1372.	3.2	46
57	Effects of avilamycin and essential oils on mRNA expression of apoptotic and inflammatory markers and gut morphology of piglets. <i>Czech Journal of Animal Science</i> , 2008, 53, 377-387.	1.3	45
58	The ongoing evolution of qPCR. <i>Methods</i> , 2010, 50, 215-216.	3.8	44
59	Identification of Genes Responsive to Intracellular Zinc Depletion in the Human Colon Adenocarcinoma Cell Line HT-29. <i>Journal of Nutrition</i> , 2004, 134, 57-62.	2.9	43
60	Effects of muscle type, castration, age, and compensatory growth rate on androgen receptor mRNA expression in bovine skeletal muscle. <i>Journal of Animal Science</i> , 2000, 78, 629.	0.5	42
61	Influence of zinc deficiency on the mRNA expression of zinc transporters in adult rats. <i>Journal of Trace Elements in Medicine and Biology</i> , 2003, 17, 97-106.	3.0	42
62	Quantification noise in single cell experiments. <i>Nucleic Acids Research</i> , 2011, 39, e124-e124.	14.5	42
63	Quality control for quantitative PCR based on amplification compatibility test. <i>Methods</i> , 2010, 50, 308-312.	3.8	40
64	Expression and localization of members of the thrombospondin family during final follicle maturation and corpus luteum formation and function in the bovine ovary. <i>Journal of Reproduction and Development</i> , 2016, 62, 501-510.	1.4	40
65	Quantification of insulin-like growth factor-1 (IGF-1) mRNA: Development and validation of an internally standardised competitive reverse transcription-polymerase chain reaction. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1998, 106, 506-513.	1.2	39
66	Effect of lactulose on growth performance and intestinal morphology of pre-ruminant calves using a milk replacer containing <i>Enterococcus faecium</i> . <i>Animal</i> , 2007, 1, 367-373.	3.3	39
67	Validation of extraction methods for total RNA and miRNA from bovine blood prior to quantitative gene expression analyses. <i>Biotechnology Letters</i> , 2010, 32, 35-44.	2.2	39
68	Identification of potential gene expression biomarkers for the surveillance of anabolic agents in bovine blood cells. <i>Analytica Chimica Acta</i> , 2009, 638, 106-113.	5.4	38
69	TNF- α and IGF1 modify the microRNA signature in skeletal muscle cell differentiation. <i>Cell Communication and Signaling</i> , 2015, 13, 4.	6.5	38
70	Highlights of the São Paulo ISEV workshop on extracellular vesicles in cross-kingdom communication. <i>Journal of Extracellular Vesicles</i> , 2017, 6, 1407213.	12.2	38
71	Detection and quantification of mRNA expression of α - and β -adrenergic receptor subtypes in the mammary gland of dairy cows. <i>Domestic Animal Endocrinology</i> , 2003, 24, 123-135.	1.6	37
72	Target deconvolution of HDAC pharmacopoeia reveals MBLAC2 as common off-target. <i>Nature Chemical Biology</i> , 2022, 18, 812-820.	8.0	36

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73	Can milk cell or skim milk miRNAs be used as biomarkers for early pregnancy detection in cattle?. PLoS ONE, 2017, 12, e0172220.	2.5	32
74	The Dynamics of microRNA Transcriptome in Bovine Corpus Luteum during Its Formation, Function, and Regression. Frontiers in Genetics, 2017, 8, 213.	2.3	30
75	Unreliable Real-Time PCR Analysis of Human Endogenous Retrovirus-W (HERV-W) RNA Expression and DNA Copy Number in Multiple Sclerosis. AIDS Research and Human Retroviruses, 2009, 25, 377-378.	1.1	29
76	Expression of immune relevant genes in pigs under the influence of low doses of deoxynivalenol (DON). Mycotoxin Research, 2011, 27, 287-293.	2.3	29
77	Propofol and Sevoflurane Differentially Impact MicroRNAs in Circulating Extracellular Vesicles during Colorectal Cancer Resection. Anesthesiology, 2020, 132, 107-120.	2.5	29
78	Effects of Synthetic Progestagens on the mRNA Expression of Androgen Receptor, Progesterone Receptor, Oestrogen Receptor alpha and beta, Insulin-like Growth Factor-1 (IGF-1) and IGF-1 Receptor in Heifer Tissues. Transboundary and Emerging Diseases, 2002, 49, 57-64.	0.6	27
79	The mRNA Expression of Insulin Receptor Isoforms (IR-A and IR-B) and IGFR-2 in the Bovine Corpus Luteum During the Estrous Cycle, Pregnancy, and Induced Luteolysis. Endocrine, 2003, 22, 93-100.	2.2	27
80	The mRNA expression of the members of the IGF-system in bovine corpus luteum during induced luteolysis. Domestic Animal Endocrinology, 2003, 25, 359-372.	1.6	27
81	Characterisation of gene expression patterns in 22RV1 cells for determination of environmental androgenic/antiandrogenic compounds. Journal of Steroid Biochemistry and Molecular Biology, 2003, 84, 231-238.	2.5	27
82	A method to assess ⁵⁹ Fe in residual tissue blood content in mice and its use to correct ⁵⁹ Fe-distribution kinetics accordingly. Toxicology, 2007, 241, 19-32.	4.2	27
83	Effects of the prebiotics inulin and lactulose on intestinal immunology and hematology of preruminant calves. Animal, 2011, 5, 1099-1106.	3.3	27
84	Extracellular Vesicle Associated miRNAs Regulate Signaling Pathways Involved in COVID-19 Pneumonia and the Progression to Severe Acute Respiratory Corona Virus-2 Syndrome. Frontiers in Immunology, 2021, 12, 784028.	4.8	25
85	Effects of increased cellular zinc levels on gene and protein expression in HT-29 cells. BioMetals, 2005, 18, 243-253.	4.1	24
86	Effect of the Ketone Body Beta-Hydroxybutyrate on the Innate Defense Capability of Primary Bovine Mammary Epithelial Cells. PLoS ONE, 2016, 11, e0157774.	2.5	24
87	Diagnostic potential of circulating cell-free microRNAs for community-acquired pneumonia and pneumonia-related sepsis. Journal of Cellular and Molecular Medicine, 2020, 24, 12054-12064.	3.6	24
88	Effect of insoluble fibre on intestinal morphology and mRNA expression pattern of inflammatory, cell cycle and growth marker genes in a piglet model. Archives of Animal Nutrition, 2008, 62, 427-438.	1.8	23
89	RNA-Sequencing as Useful Screening Tool in the Combat against the Misuse of Anabolic Agents. Analytical Chemistry, 2012, 84, 6863-6868.	6.5	22
90	Grass pollen production and group V allergen content of agriculturally relevant species and cultivars. PLoS ONE, 2018, 13, e0193958.	2.5	22

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91	Effect of lactoferrin on selected immune system parameters and the gastrointestinal morphology in growing calves. <i>Journal of Animal Physiology and Animal Nutrition</i> , 2007, 91, 109-119.	2.2	21
92	Influence of anabolic combinations of an androgen plus an estrogen on biochemical pathways in bovine uterine endometrium and ovary. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2011, 125, 192-201.	2.5	21
93	Integrative Analysis of MicroRNA and mRNA Data Reveals an Orchestrated Function of MicroRNAs in Skeletal Myocyte Differentiation in Response to TNF- α or IGF1. <i>PLoS ONE</i> , 2015, 10, e0135284.	2.5	21
94	Expression pattern of HIF-1 α and vasohibins during follicle maturation and corpus luteum function in the bovine ovary. <i>Reproduction in Domestic Animals</i> , 2017, 52, 130-139.	1.4	21
95	Production of clenbuterol, diethylstilbestrol and trenbolone mass standards in lyophilised bovine urine. <i>Analytica Chimica Acta</i> , 2003, 483, 401-412.	5.4	20
96	Quantitative mRNA Analysis of Eight Bovine 5-HT Receptor Subtypes in Brain, Abomasum, and Intestine by Real-time RT-PCR. <i>Journal of Receptor and Signal Transduction Research</i> , 2003, 23, 271-287.	2.5	20
97	Reference Histology of Veal Calf Genital and Endocrine Tissues ? An Update for Screening on Hormonal Growth Promoters. <i>Transboundary and Emerging Diseases</i> , 2007, 54, 238-246.	0.6	20
98	Inulin and probiotics in newly weaned piglets: effects on intestinal morphology, mRNA expression levels of inflammatory marker genes and haematology. <i>Archives of Animal Nutrition</i> , 2010, 64, 304-321.	1.8	20
99	Identification of a piscine reovirus-related pathogen in proliferative darkening syndrome (PDS) infected brown trout (<i>Salmo trutta fario</i>) using a next-generation technology detection pipeline. <i>PLoS ONE</i> , 2018, 13, e0206164.	2.5	20
100	Transcriptomic profiling of cell-free and vesicular microRNAs from matched arterial and venous sera. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1670935.	12.2	20
101	Detection of Atherosclerosis by Small RNA-Sequencing Analysis of Extracellular Vesicle Enriched Serum Samples. <i>Frontiers in Cell and Developmental Biology</i> , 2021, 9, 729061.	3.7	20
102	Effects of lactoferrin feeding on growth, feed intake and health of calves. <i>Archives of Animal Nutrition</i> , 2007, 61, 20-30.	1.8	19
103	Changes in the miRNA profile under the influence of anabolic steroids in bovine liver. <i>Analyst, The</i> , 2011, 136, 1204.	3.5	19
104	Effect of magnetic stimulation on the gene expression profile of in vitro cultured neural cells. <i>Neuroscience Letters</i> , 2012, 526, 122-127.	2.1	19
105	Prostaglandins in Superovulation Induced Bovine Follicles During the Preovulatory Period and Early Corpus Luteum. <i>Frontiers in Endocrinology</i> , 2019, 10, 467.	3.5	19
106	Effects of dexamethasone and colostrum intake on the somatotrophic axis in neonatal calves. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003, 285, E252-E261.	3.5	18
107	The immunomodulatory effect of lactulose on <i>Enterococcus faecium</i> fed preruminant calves1. <i>Journal of Animal Science</i> , 2009, 87, 1731-1738.	0.5	18
108	Comparison of Two Available Platforms for Determination of RNA Quality. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 2154-2159.	1.3	18

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109	Temporal variation of milk fat globule diameter, fat and cholesterol content and milk epithelial cell gene expression in dairy cows. <i>International Journal of Dairy Technology</i> , 2015, 68, 519-526.	2.8	18
110	Radiation Exposure of Peripheral Mononuclear Blood Cells Alters the Composition and Function of Secreted Extracellular Vesicles. <i>International Journal of Molecular Sciences</i> , 2020, 21, 2336.	4.1	18
111	RNA-seq-based profiling of extracellular vesicles in plasma reveals a potential role of miR-225p in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021, 76, 366-371.	5.7	18
112	Transcriptional biomarkers. <i>Methods</i> , 2013, 59, 1-2.	3.8	17
113	SARS-CoV-2 infections in cancer outpatients: Most infected patients are asymptomatic carriers without impact on chemotherapy. <i>Cancer Medicine</i> , 2020, 9, 8020-8028.	2.8	17
114	Quantification of insulin-like growth factor -1 (IGF-1) mRNA: Modulation of growth intensity by feeding results in inter- and intra-tissue-specific differences of IGF-1 mRNA expression in steers. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1998, 106, 514-521.	1.2	16
115	Comparison of the miRNome and piRNome of bovine blood and plasma by small RNA sequencing. <i>Biotechnology Letters</i> , 2015, 37, 1165-1176.	2.2	16
116	Changes in the microRNA expression profile during blood storage. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000354.	2.9	16
117	Highlights of the mini-symposium on extracellular vesicles in inter-organismal communication, held in Munich, Germany, August 2018. <i>Journal of Extracellular Vesicles</i> , 2019, 8, 1590116.	12.2	16
118	Ewing Sarcoma-Derived Extracellular Vesicles Impair Dendritic Cell Maturation and Function. <i>Cells</i> , 2021, 10, 2081.	4.1	16
119	Short-term Effects on Pro-inflammatory Cytokine, Lactoferrin and CD14 mRNA Expression Levels in Bovine Immunoseparated Milk and Blood Cells Treated by LPS. <i>Transboundary and Emerging Diseases</i> , 2005, 52, 317-324.	0.6	15
120	Influence of testosterone and a novel SARM on gene expression in whole blood of <i>Macaca fascicularis</i> . <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2009, 114, 167-173.	2.5	15
121	Gene Expression in Hair Follicle Dermal Papilla Cells after Treatment with Stanozolol. <i>Biomarker Insights</i> , 2009, 4, BMI.S1173.	2.5	15
122	Quantification noise in single cell experiments. <i>Nucleic Acids Research</i> , 2011, 39, 9834-9834.	14.5	15
123	The Potential of Bovine Vaginal Smear for Biomarker Development to Trace the Misuse of Anabolic Agents. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2011, 119, 86-94.	1.2	15
124	Tumor Necrosis Factor Alpha and Insulin-Like Growth Factor 1 Induced Modifications of the Gene Expression Kinetics of Differentiating Skeletal Muscle Cells. <i>PLoS ONE</i> , 2015, 10, e0139520.	2.5	15
125	Postprandial transfer of colostral extracellular vesicles and their protein and miRNA cargo in neonatal calves. <i>PLoS ONE</i> , 2020, 15, e0229606.	2.5	15
126	The physiological way: Monitoring RNA expression changes as new approach to combat illegal growth promoter application. <i>Drug Testing and Analysis</i> , 2012, 4, 70-74.	2.6	14

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127	Establishment of a 3D cell culture model of primary bovine mammary epithelial cells extracted from fresh milk. <i>In Vitro Cellular and Developmental Biology - Animal</i> , 2017, 53, 706-720.	1.5	14
128	Digital PCR can augment the interpretation of RT-qPCR Cq values for SARS-CoV-2 diagnostics. <i>Methods</i> , 2022, 201, 5-14.	3.8	14
129	mRNA and microRNA Purity and Integrity: The Key to Success in Expression Profiling. <i>Methods in Molecular Biology</i> , 2014, 1160, 43-53.	0.9	13
130	Changes in the expression of prostaglandin family members in bovine corpus luteum during the estrous cycle and pregnancy. <i>Molecular Reproduction and Development</i> , 2018, 85, 622-634.	2.0	13
131	Treatment and Prevention of Recurrent <i>Clostridium difficile</i> Infection with Functionalized Bovine Antibody-Enriched Whey in a Hamster Primary Infection Model. <i>Toxins</i> , 2019, 11, 98.	3.4	13
132	The Emerging Role of miRNAs for the Radiation Treatment of Pancreatic Cancer. <i>Cancers</i> , 2020, 12, 3703.	3.7	13
133	Effects of Varied EGCG and (+)-Catechin Concentrations on Proinflammatory Cytokines mRNA Expression in ConA-Stimulated Primary White Blood Cell Cultures. <i>Journal of Agricultural and Food Chemistry</i> , 2005, 53, 6907-6911.	5.2	12
134	Model of inhibition of <i>Thermus aquaticus</i> polymerase and Moloney murine leukemia virus reverse transcriptase by tea polyphenols (+)-catechin and (–)-epigallocatechin-3-gallate. <i>Journal of Ethnopharmacology</i> , 2005, 99, 221-227.	4.1	12
135	Validation of Lab-on-Chip Capillary Electrophoresis Systems for Total RNA Quality and Quantity Control. <i>Biotechnology and Biotechnological Equipment</i> , 2008, 22, 829-834.	1.3	12
136	Effects of inulin and lactulose on the intestinal morphology of calves. <i>Animal</i> , 2010, 4, 739-744.	3.3	12
137	Identification of a potential gene expression biomarker signature in bovine liver to detect the abuse of growth promoters. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2014, 31, 641-649.	2.3	12
138	The potential of circulating extracellular small RNAs (smexRNA) in veterinary diagnostics—Identifying biomarker signatures by multivariate data analysis. <i>Biomolecular Detection and Quantification</i> , 2015, 5, 15-22.	7.0	12
139	RDML-Ninja and RDMLdb for standardized exchange of qPCR data. <i>BMC Bioinformatics</i> , 2015, 16, 197.	2.6	12
140	Shisha microbiota: the good, the bad and the not so ugly. <i>BMC Research Notes</i> , 2018, 11, 446.	1.4	12
141	Effects of mycophenolic acid (MPA) treatment on expression of Fc receptor (FcRn) and polymeric immunoglobulin receptor (pIgR) mRNA in adult sheep tissues. <i>Croatian Medical Journal</i> , 2004, 45, 130-5.	0.7	12
142	Influence of Oral Application of Mycophenolic Acid on the Clinical Health Status of Sheep. <i>Transboundary and Emerging Diseases</i> , 2007, 54, 76-81.	0.6	11
143	Dose-dependent immune response in milk cells and mammary tissue after intramammary administration of lipopolysaccharide in dairy cows. <i>Veterinari Medicina</i> , 2007, 52, 231-244.	0.6	11
144	Effects of Plate Position, Plate Type and Sealing Systems on Real-Time PCR Results. <i>Biotechnology and Biotechnological Equipment</i> , 2008, 22, 824-828.	1.3	10

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145	Effect of trenbolone acetate plus estradiol on transcriptional regulation of metabolism pathways in bovine liver. <i>Hormone Molecular Biology and Clinical Investigation</i> , 2010, 2, 257-65.	0.7	10
146	Synergetic downregulation of 67 kDa laminin receptor by the green tea (<i>Camellia sinensis</i>) secondary plant compound epigallocatechin gallate: a new gateway in metastasis prevention?. <i>BMC Complementary and Alternative Medicine</i> , 2012, 12, 258.	3.7	10
147	Glucocorticoid receptor overexpression slightly shifts microRNA expression patterns in triple-negative breast cancer. <i>International Journal of Oncology</i> , 2018, 52, 1765-1776.	3.3	10
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