

Michael W Pfaffl

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

214
papers

55,190
citations

45
h-index

234
g-index

234
ext. papers

64,108
ext. citations

5.1
avg. IF

8.3
L-index

#	Paper	IF	Citations
214	A new mathematical model for relative quantification in real-time RT-PCR. <i>Nucleic Acids Research</i> , 2001 , 29, e45	20.1	23407
213	The MIQE guidelines: minimum information for publication of quantitative real-time PCR experiments. <i>Clinical Chemistry</i> , 2009 , 55, 611-22	5.5	9710
212	Relative expression software tool (REST) for group-wise comparison and statistical analysis of relative expression results in real-time PCR. <i>Nucleic Acids Research</i> , 2002 , 30, e36	20.1	5505
211	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	16.4	3642
210	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, 509-15	3	3296
209	RNA integrity and the effect on the real-time qRT-PCR performance. <i>Molecular Aspects of Medicine</i> , 2006 , 27, 126-39	16.7	990
208	Quantitative real-time RT-PCR--a perspective. <i>Journal of Molecular Endocrinology</i> , 2005 , 34, 597-601	4.5	897
207	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. <i>Nature Methods</i> , 2017 , 14, 228-232	21.6	560
206	The digital MIQE guidelines: Minimum Information for Publication of Quantitative Digital PCR Experiments. <i>Clinical Chemistry</i> , 2013 , 59, 892-902	5.5	554
205	Comparison of relative mRNA quantification models and the impact of RNA integrity in quantitative real-time RT-PCR. <i>Biotechnology Letters</i> , 2006 , 28, 1601-13	3	421
204	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA - an ISEV position paper. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1286095	16.4	410
203	Standardized determination of real-time PCR efficiency from a single reaction set-up. <i>Nucleic Acids Research</i> , 2003 , 31, e122	20.1	324
202	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	12	232
201	Validities of mRNA quantification using recombinant RNA and recombinant DNA external calibration curves in real-time RT-PCR. <i>Biotechnology Letters</i> , 2001 , 23, 275-282	3	210
200	RefGenes: identification of reliable and condition specific reference genes for RT-qPCR data normalization. <i>BMC Genomics</i> , 2011 , 12, 156	4.5	206
199	The need for transparency and good practices in the qPCR literature. <i>Nature Methods</i> , 2013 , 10, 1063-7	21.6	197
198	mRNA and microRNA quality control for RT-qPCR analysis. <i>Methods</i> , 2010 , 50, 237-43	4.6	179

197	Comparison of reverse transcriptases in gene expression analysis. <i>Clinical Chemistry</i> , 2004 , 50, 1678-80	5.5	171
196	Normalization strategies for microRNA profiling experiments: a 'normal' way to a hidden layer of complexity?. <i>Biotechnology Letters</i> , 2010 , 32, 1777-88	3	169
195	Evaluation of qPCR curve analysis methods for reliable biomarker discovery: bias, resolution, precision, and implications. <i>Methods</i> , 2013 , 59, 32-46	4.6	168
194	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	2.3	142
193	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, 111-26	2.3	131
192	Tissue-specific expression pattern of estrogen receptors (ER): quantification of ER alpha and ER beta mRNA with real-time RT-PCR. <i>Apmis</i> , 2001 , 109, 345-55	3.4	117
191	Evaluation of serum extracellular vesicle isolation methods for profiling miRNAs by next-generation sequencing. <i>Journal of Extracellular Vesicles</i> , 2018 , 7, 1481321	16.4	113
190	Inhibition of real-time RT-PCR quantification due to tissue-specific contaminants. <i>Molecular and Cellular Probes</i> , 2004 , 18, 45-50	3.3	96
189	Class I odorant receptors, TAS1R and TAS2R taste receptors, are markers for subpopulations of circulating leukocytes. <i>Journal of Leukocyte Biology</i> , 2015 , 97, 533-45	6.5	93
188	Involvement of pro-inflammatory cytokines, mediators of inflammation, and basic fibroblast growth factor in prostaglandin F2alpha-induced luteolysis in bovine corpus luteum. <i>Biology of Reproduction</i> , 2004 , 70, 473-80	3.9	90
187	The Digital MIQE Guidelines Update: Minimum Information for Publication of Quantitative Digital PCR Experiments for 2020. <i>Clinical Chemistry</i> , 2020 , 66, 1012-1029	5.5	85
186	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, 964-76	3.6	83
185	Expression of estrogen and progesterone receptors in the bovine ovary during estrous cycle and pregnancy. <i>Endocrine</i> , 2002 , 17, 207-14		70
184	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, 305-17	4.7	65
183	Cellular and extracellular miRNAs are blood-compartment-specific diagnostic targets in sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2017 , 21, 2403-2411	5.6	62
182	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	20.1	62
181	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	11.5	57
180	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, 289-96	2.6	56

179	The use of omic technologies for biomarker development to trace functions of anabolic agents. <i>Journal of Chromatography A</i> , 2009 , 1216, 8192-9	4.5	54
178	Tissue-specific expression pattern of bovine prion gene: quantification using real-time RT-PCR. <i>Molecular and Cellular Probes</i> , 2003 , 17, 5-10	3.3	54
177	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	6.3	53
176	Primer sequence disclosure: a clarification of the MIQE guidelines. <i>Clinical Chemistry</i> , 2011 , 57, 919-21	5.5	52
175	Gene expression of immunologically important factors in blood cells, milk cells, and mammary tissue of cows. <i>Journal of Dairy Science</i> , 2003 , 86, 538-45	4	52
174	Insulin-like growth factor and insulin receptors in intestinal mucosa of neonatal calves. <i>Journal of Endocrinology</i> , 2003 , 176, 121-32	4.7	52
173	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, 2000-5	11.8	50
172	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, 124-30	1.1	50
171	Profound effect of profiling platform and normalization strategy on detection of differentially expressed microRNAs--a comparative study. <i>PLoS ONE</i> , 2012 , 7, e38946	3.7	48
170	Improving quantitative real-time RT-PCR reproducibility by boosting primer-linked amplification efficiency. <i>Biotechnology Letters</i> , 2002 , 24, 2053-2056	3	47
169	Optimization of extraction of circulating RNAs from plasma--enabling small RNA sequencing. <i>PLoS ONE</i> , 2014 , 9, e107259	3.7	45
168	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	6.6	44
167	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, 4621-33	4	43
166	The gastrointestinal tract as target of steroid hormone action: quantification of steroid receptor mRNA expression (AR, ERalpha, ERbeta and PR) in 10 bovine gastrointestinal tract compartments by kinetic RT-PCR. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 84, 159-66	5.1	42
165	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	11.5	41
164	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	9.3	41
163	Transcriptional biomarkers--high throughput screening, quantitative verification, and bioinformatical validation methods. <i>Methods</i> , 2013 , 59, 3-9	4.6	40
162	Quality control for quantitative PCR based on amplification compatibility test. <i>Methods</i> , 2010 , 50, 308-12	4.6	39

161	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	4.1	39
160	Quantification noise in single cell experiments. <i>Nucleic Acids Research</i> , 2011 , 39, e124	20.1	38
159	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	4.1	38
158	Identification of potential gene expression biomarkers for the surveillance of anabolic agents in bovine blood cells. <i>Analytica Chimica Acta</i> , 2009 , 638, 106-13	6.6	36
157	Differential expression of molecular motors in the motor cortex of sporadic ALS. <i>Neurobiology of Disease</i> , 2007 , 26, 577-89	7.5	36
156	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, 629-37	0.7	36
155	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	1.1	35
154	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	3	34
153	Detection and quantification of mRNA expression of alpha- and beta-adrenergic receptor subtypes in the mammary gland of dairy cows. <i>Domestic Animal Endocrinology</i> , 2003 , 24, 123-35	2.3	33
152	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, 506-13	2.3	32
151	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, 367-73	3.1	31
150	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	5.4	30
149	Unreliable real-time PCR analysis of human endogenous retrovirus-W (HERV-W) RNA expression and DNA copy number in multiple sclerosis. <i>AIDS Research and Human Retroviruses</i> , 2009 , 25, 377-8; author reply 379-81	1.6	29
148	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	12	28
147	TNF- α and IGF1 modify the microRNA signature in skeletal muscle cell differentiation. <i>Cell Communication and Signaling</i> , 2015 , 13, 4	7.5	27
146	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. <i>Transboundary and Emerging Diseases</i> , 2002 , 49, 57-64		26
145	A method to assess ^{59}Fe in residual tissue blood content in mice and its use to correct ^{59}Fe -distribution kinetics accordingly. <i>Toxicology</i> , 2007 , 241, 19-32	4.4	25
144	Characterisation of gene expression patterns in 22RV1 cells for determination of environmental androgenic/antiandrogenic compounds. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2003 , 84, 231-8	5.1	25

143	Highlights of the S̃ Paulo ISEV workshop on extracellular vesicles in cross-kingdom communication. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1407213	16.4	24
142	Can milk cell or skim milk miRNAs be used as biomarkers for early pregnancy detection in cattle?. <i>PLoS ONE</i> , 2017 , 12, e0172220	3.7	23
141	Expression of immune relevant genes in pigs under the influence of low doses of deoxynivalenol (DON). <i>Mycotoxin Research</i> , 2011 , 27, 287-93	4	23
140	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	2.1	23
139	Effects of the prebiotics inulin and lactulose on intestinal immunology and hematology of preruminant calves. <i>Animal</i> , 2011 , 5, 1099-106	3.1	22
138	Effects of increased cellular zinc levels on gene and protein expression in HT-29 cells. <i>BioMetals</i> , 2005 , 18, 243-53	3.4	22
137	The Dynamics of microRNA Transcriptome in Bovine Corpus Luteum during Its Formation, Function, and Regression. <i>Frontiers in Genetics</i> , 2017 , 8, 213	4.5	20
136	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. <i>Endocrine</i> , 2003 , 22, 93-100		20
135	Production of clenbuterol, diethylstilbestrol and trenbolone mass standards in lyophilised bovine urine. <i>Analytica Chimica Acta</i> , 2003 , 483, 401-412	6.6	20
134	Cautionary Note on Contamination of Reagents Used for Molecular Detection of SARS-CoV-2. <i>Clinical Chemistry</i> , 2020 , 66, 1369-1372	5.5	20
133	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, 304-21	2.7	19
132	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, 271-87	2.6	19
131	The mRNA expression of the members of the IGF-system in bovine corpus luteum during induced luteolysis. <i>Domestic Animal Endocrinology</i> , 2003 , 25, 359-72	2.3	19
130	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	5.1	18
129	Effect of insoluble fibre on intestinal morphology and mRNA expression pattern of inflammatory, cell cycle and growth marker genes in a piglet model. <i>Archives of Animal Nutrition</i> , 2008 , 62, 427-38	2.7	18
128	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, 109-19	2.6	18
127	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	3.7	17
126	Integrative Analysis of MicroRNA and mRNA Data Reveals an Orchestrated Function of MicroRNAs in Skeletal Myocyte Differentiation in Response to TNF- α IGF1. <i>PLoS ONE</i> , 2015 , 10, e0135284	3.7	17

125	RNA-sequencing as useful screening tool in the combat against the misuse of anabolic agents. <i>Analytical Chemistry</i> , 2012 , 84, 6863-8	7.8	17
124	Comparison of Two Available Platforms for Determination of RNA Quality. <i>Biotechnology and Biotechnological Equipment</i> , 2010 , 24, 2154-2159	1.6	17
123	The immunomodulatory effect of lactulose on <i>Enterococcus faecium</i> fed preruminant calves. <i>Journal of Animal Science</i> , 2009 , 87, 1731-8	0.7	17
122	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, 238-46		17
121	Comparison of the miRNome and piRNome of bovine blood and plasma by small RNA sequencing. <i>Biotechnology Letters</i> , 2015 , 37, 1165-76	3	16
120	Effect of magnetic stimulation on the gene expression profile of in vitro cultured neural cells. <i>Neuroscience Letters</i> , 2012 , 526, 122-7	3.3	16
119	Changes in the miRNA profile under the influence of anabolic steroids in bovine liver. <i>Analyst, The</i> , 2011 , 136, 1204-9	5	16
118	Effects of lactoferrin feeding on growth, feed intake and health of calves. <i>Archives of Animal Nutrition</i> , 2007 , 61, 20-30	2.7	16
117	Grass pollen production and group V allergen content of agriculturally relevant species and cultivars. <i>PLoS ONE</i> , 2018 , 13, e0193958	3.7	15
116	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	3.7	15
115	Expression pattern of HIF1alpha and vasohibins during follicle maturation and corpus luteum function in the bovine ovary. <i>Reproduction in Domestic Animals</i> , 2017 , 52, 130-139	1.6	14
114	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	2.3	14
113	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, 317-24		14
112	Propofol and Sevoflurane Differentially Impact MicroRNAs in Circulating Extracellular Vesicles during Colorectal Cancer Resection: A Pilot Study. <i>Anesthesiology</i> , 2020 , 132, 107-120	4.3	14
111	Effect of the Ketone Body Beta-Hydroxybutyrate on the Innate Defense Capability of Primary Bovine Mammary Epithelial Cells. <i>PLoS ONE</i> , 2016 , 11, e0157774	3.7	14
110	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, 514-21	2.3	13
109	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	16.4	12
108	mRNA and microRNA purity and integrity: the key to success in expression profiling. <i>Methods in Molecular Biology</i> , 2014 , 1160, 43-53	1.4	12

107	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, 641-9	3.2	12
106	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, 167-73	5.1	12
105	Gene expression in hair follicle dermal papilla cells after treatment with stanozolol. <i>Biomarker Insights</i> , 2008 , 4, 1-8	3.5	12
104	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, 6907-11	5.7	12
103	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	1.6	11
102	Transcriptomic profiling of cell-free and vesicular microRNAs from matched arterial and venous sera. <i>Journal of Extracellular Vesicles</i> , 2019 , 8, 1670935	16.4	10
101	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	12	10
100	The physiological way: monitoring RNA expression changes as new approach to combat illegal growth promoter application. <i>Drug Testing and Analysis</i> , 2012 , 4 Suppl 1, 70-4	3.5	10
99	Effects of inulin and lactulose on the intestinal morphology of calves. <i>Animal</i> , 2010 , 4, 739-44	3.1	10
98	Dose-dependent immune response in milk cells and mammary tissue after intramammary administration of lipopolysaccharide in dairy cows. <i>Veterinarni Medicina</i> , 2008 , 52, 231-244	0.7	10
97	Influence of oral application of mycophenolic acid on the clinical health status of sheep. <i>Transboundary and Emerging Diseases</i> , 2007 , 54, 76-81		10
96	Effects of dexamethasone and colostrum intake on the somatotropic axis in neonatal calves. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2003 , 285, E252-61	6	10
95	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	4.8	10
94	RNA-seq-based profiling of extracellular vesicles in plasma reveals a potential role of miR-122-5p in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 366-371	9.3	10
93	RDML-Ninja and RDMLdb for standardized exchange of qPCR data. <i>BMC Bioinformatics</i> , 2015 , 16, 197	3.6	9
92	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, 221-7	5	9
91	Quantification of androgen receptor mRNA in tissues by competitive co-amplification of a template in reverse transcription-polymerase chain reaction. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 1996 , 58, 563-8	5.1	9
90	Prostaglandins in Superovulation Induced Bovine Follicles During the Preovulatory Period and Early Corpus Luteum. <i>Frontiers in Endocrinology</i> , 2019 , 10, 467	5.7	8

89	Pleading for adherence to the MIQE-Guidelines when reporting quantitative PCR data in forensic genetic research. <i>Forensic Science International: Genetics</i> , 2019 , 42, e21-e24	4.3	8
88	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	3.7	8
87	Synergetic downregulation of 67 kDa laminin receptor by the green tea (Camellia sinensis) secondary plant compound epigallocatechin gallate: a new gateway in metastasis prevention?. <i>BMC Complementary and Alternative Medicine</i> , 2012 , 12, 258	4.7	8
86	Effects of Plate Position, Plate Type and Sealing Systems on Real-Time PCR Results. <i>Biotechnology and Biotechnological Equipment</i> , 2008 , 22, 824-828	1.6	8
85	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	1.6	8
84	Distribution-insensitive cluster analysis in SAS on real-time PCR gene expression data of steadily expressed genes. <i>Computer Methods and Programs in Biomedicine</i> , 2006 , 82, 44-50	6.9	8
83	Posttranscriptional regulatory networks: from expression profiling to integrative analysis of mRNA and microRNA data. <i>Methods in Molecular Biology</i> , 2014 , 1160, 165-88	1.4	8
82	Inhibition of fat cell differentiation in 3T3-L1 pre-adipocytes by all-trans retinoic acid: Integrative analysis of transcriptomic and phenotypic data. <i>Biomolecular Detection and Quantification</i> , 2017 , 11, 31-44	1.2	7
81	Treatment and Prevention of Recurrent Clostridium difficile Infection with Functionalized Bovine Antibody-Enriched Whey in a Hamster Primary Infection Model. <i>Toxins</i> , 2019 , 11,	4.9	7
80	Changes in the microRNA expression profile during blood storage. <i>BMJ Open Sport and Exercise Medicine</i> , 2018 , 4, e000354	3.4	7
79	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	2.6	7
78	The analysis of the transcriptome as a new approach for biomarker development to trace the abuse of anabolic steroid hormones. <i>Drug Testing and Analysis</i> , 2011 , 3, 676-81	3.5	7
77	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	1.3	7
76	Effects of mycophenolic acid on inosine monophosphate dehydrogenase I and II mRNA expression in white blood cells and various tissues in sheep. <i>Transboundary and Emerging Diseases</i> , 2006 , 53, 163-9		7
75	Development of clenbuterol reference materials: lyophilized bovine eye samples free of clenbuterol (CRM 673) and containing clenbuterol (CRM 674). Part 1. Preparation, homogeneity and stability. <i>Fresenius Journal of Analytical Chemistry</i> , 2001 , 371, 1086-91		7
74	Diagnostic potential of circulating cell-free microRNAs for community-acquired pneumonia and pneumonia-related sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 12054-12064	5.6	7
73	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,	6.3	7
72	Postprandial transfer of colostral extracellular vesicles and their protein and miRNA cargo in neonatal calves. <i>PLoS ONE</i> , 2020 , 15, e0229606	3.7	6

71	Glucocorticoid receptor overexpression slightly shifts microRNA expression patterns in triple-negative breast cancer. <i>International Journal of Oncology</i> , 2018 , 52, 1765-1776	4.4	6
70	Impact of preimplantational oral low-dose estradiol-17 β exposure on the endometrium: The role of miRNA. <i>Molecular Reproduction and Development</i> , 2018 , 85, 417-426	2.6	6
69	Shisha microbiota: the good, the bad and the not so ugly. <i>BMC Research Notes</i> , 2018 , 11, 446	2.3	6
68	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	2.6	6
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