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	Digital PCR can augment the interpretation of RT-qPCR Cq values for SARS-CoV-2 diagnostics. Methods, 2022, 201, 5-14.	3.8	14
2	Regulatory changes of local produced prostaglandins in corpus luteum after experimentally induced luteolysis in the cow. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2022, 51, 289-299.	0.7	6
3	Obtaining Reliable RT-qPCR Results in Molecular Diagnosticsâ€"MIQE Goals and Pitfalls for Transcriptional Biomarker Discovery. Life, 2022, 12, 386.	2.4	8
4	The Chaperone Protein GRP78 Promotes Survival and Migration of Head and Neck Cancer After Direct Radiation Exposure and Extracellular Vesicle-Transfer. Frontiers in Oncology, 2022, 12, 842418.	2.8	9
5	Milk Properties and Morphological Characteristics of the Donkey Mammary Gland for Development of an Adopted Milking Machineâ€"A Review. Dairy, 2022, 3, 233-247.	2.0	4
6	Isolation and Characterization of Urinary Extracellular Vesicles for MicroRNA Biomarker Signature Development with Reference to MISEV Compliance. Methods in Molecular Biology, 2022, 2504, 113-133.	0.9	3
7	Description and optimization of a multiplex bead-based flow cytometry method (MBFCM) to characterize extracellular vesicles in serum samples from patients with hematological malignancies. Cancer Gene Therapy, 2022, 29, 1600-1615.	4.6	6
8	Target deconvolution of HDAC pharmacopoeia reveals MBLAC2 as common off-target. Nature Chemical Biology, 2022, 18, 812-820.	8.0	36
9	Using High-Resolution Differential Cell Counts (HRDCCs) in Bovine Milk and Blood to Monitor the Immune Status over the Entire Lactation Period. Animals, 2022, 12, 1339.	2.3	0
10	Advantages and Challenges of Differential Immune Cell Count Determination in Blood and Milk for Monitoring the Health and Well-Being of Dairy Cows. Veterinary Sciences, 2022, 9, 255.	1.7	4
11	RNAâ€seqâ€"based profiling of extracellular vesicles in plasma reveals a potential role of miRâ€122â€5p in asthma. Allergy: European Journal of Allergy and Clinical Immunology, 2021, 76, 366-371.	5.7	18
12	On the trail of blood dopingâ€"<scp>microRNA</scp> fingerprints to monitor autologous blood transfusions in vivo. American Journal of Hematology, 2021, 96, 338-353.	4.1	9
13	Impact of elevated air temperature and drought on pollen characteristics of major agricultural grass species. PLoS ONE, 2021, 16, e0248759.	2.5	7
14	Impact of DNA repair and reactive oxygen species levels on radioresistance in pancreatic cancer. Radiotherapy and Oncology, 2021, 159, 265-276.	0.6	9
15	Alteration of Intestinal Microbiome of Clostridioides difficile-Infected Hamsters during the Treatment with Specific Cow Antibodies. Antibiotics, 2021, 10, 724.	3.7	1
16	miREV: An Online Database and Tool to Uncover Potential Reference RNAs and Biomarkers in Small-RNA Sequencing Data Sets from Extracellular Vesicles Enriched Samples. Journal of Molecular Biology, 2021, 433, 167070.	4.2	10
17	Modelling and Differential Quantification of Electric Cell-Substrate Impedance Sensing Growth Curves. Sensors, 2021, 21, 5286.	3.8	6
18	Ewing Sarcoma-Derived Extracellular Vesicles Impair Dendritic Cell Maturation and Function. Cells, 2021, 10, 2081.	4.1	16

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19	Molecular RNA Correlates of the SOFA Score in Patients with Sepsis. Diagnostics, 2021, 11, 1649.	2.6	5
20	Progranulin signaling in sepsis, community-acquired bacterial pneumonia and COVID-19: a comparative, observational study. Intensive Care Medicine Experimental, 2021, 9, 43.	1.9	7
21	Tailoring the resolution of single-cell RNA sequencing for primary cytotoxic T cells. Nature Communications, 2021, 12, 569.	12.8	10
22	Detection of Atherosclerosis by Small RNA-Sequencing Analysis of Extracellular Vesicle Enriched Serum Samples. Frontiers in Cell and Developmental Biology, 2021, 9, 729061.	3.7	20
23	Development of an advanced flow cytometry based high-resolution immunophenotyping method to benchmark early immune response in dairy cows. Scientific Reports, 2021, 11, 22896.	3.3	9
24	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
25	Human airway epithelial extracellular vesicle miRNA signature is altered upon asthma development. Allergy: European Journal of Allergy and Clinical Immunology, 2020, 75, 346-356.	5.7	60
26	Propofol and Sevoflurane Differentially Impact MicroRNAs in Circulating Extracellular Vesicles during Colorectal Cancer Resection. Anesthesiology, 2020, 132, 107-120.	2.5	29
27	The Beneficial Effect of Farm Milk Consumption on Asthma, Allergies, and Infections: From Meta-Analysis of Evidence to Clinical Trial. Journal of Allergy and Clinical Immunology: in Practice, 2020, 8, 878-889.e3.	3.8	53
28	Diagnostic potential of circulating cellâ€free microRNAs for communityâ€acquired pneumonia and pneumoniaâ€related sepsis. Journal of Cellular and Molecular Medicine, 2020, 24, 12054-12064.	3.6	24
29	SARSâ€CoVâ€2 infections in cancer outpatientsâ€”Most infected patients are asymptomatic carriers without impact on chemotherapy. Cancer Medicine, 2020, 9, 8020-8028.	2.8	17
30	The Digital MIQE Guidelines Update: Minimum Information for Publication of Quantitative Digital PCR Experiments for 2020. Clinical Chemistry, 2020, 66, 1012-1029.	3.2	247
31	Hypoxiaâ€inducible factorâ€1alpha and nitric oxide synthases in bovine follicles close to ovulation and early luteal angiogenesis. Reproduction in Domestic Animals, 2020, 55, 1573-1584.	1.4	3
32	Cautionary Note on Contamination of Reagents Used for Molecular Detection of SARS-CoV-2. Clinical Chemistry, 2020, 66, 1369-1372.	3.2	46
33	The Emerging Role of miRNAs for the Radiation Treatment of Pancreatic Cancer. Cancers, 2020, 12, 3703.	3.7	13
34	Water and sediment microbiota diversity in response to temporal variation at the outlet of the Ibrahim River (Lebanon). Environmental Monitoring and Assessment, 2020, 192, 201.	2.7	6
35	Postprandial transfer of colostral extracellular vesicles and their protein and miRNA cargo in neonatal calves. PLoS ONE, 2020, 15, e0229606.	2.5	15
36	Radiation Exposure of Peripheral Mononuclear Blood Cells Alters the Composition and Function of Secreted Extracellular Vesicles. International Journal of Molecular Sciences, 2020, 21, 2336.	4.1	18

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37	MIQE-Compliant Validation of MicroRNA Biomarker Signatures Established by Small RNA Sequencing. Methods in Molecular Biology, 2020, 2065, 23-38.	0.9	6
38	Extracellular vesicle-derived microRNA biomarkers: goals and pitfalls. Trillium Extracellular Vesicles, 2020, 2, 42-47.	0.3	1
39	Title is missing!. , 2020, 15, e0229606.		0
40	Title is missing!. , 2020, 15, e0229606.		0
41	Title is missing!. , 2020, 15, e0229606.		0
42	Title is missing!. , 2020, 15, e0229606.		0
43	Prostaglandins in Superovulation Induced Bovine Follicles During the Preovulatory Period and Early Corpus Luteum. Frontiers in Endocrinology, 2019, 10, 467.	3.5	19
44	Pleading for adherence to the MIQE-Guidelines when reporting quantitative PCR data in forensic genetic research. Forensic Science International: Genetics, 2019, 42, e21-e24.	3.1	9
45	Transcriptomic profiling of cell-free and vesicular microRNAs from matched arterial and venous sera. Journal of Extracellular Vesicles, 2019, 8, 1670935.	12.2	20
46	Letter to The Editor: MicroRNA Profile and Adaptive Response to Exercise Training: A Review. International Journal of Sports Medicine, 2019, 40, 678-679.	1.7	0
47	Comparing small urinary extracellular vesicle purification methods with a view to RNA sequencingâ€"Enabling robust and non-invasive biomarker research. Biomolecular Detection and Quantification, 2019, 17, 100089.	7.0	47
48	Guest editorâ€™s editorial: BDQ Special Issue â€" â€œLiquid Biopsy & Next Generation Biomarkersâ€• Biomolecular Detection and Quantification, 2019, 17, 100086.	7.0	0
49	Highlights of the miniâ€symposium on extracellular vesicles in interâ€organismal communication, held in Munich, Germany, August 2018. Journal of Extracellular Vesicles, 2019, 8, 1590116.	12.2	16
50	Treatment and Prevention of Recurrent Clostridium difficile Infection with Functionalized Bovine Antibody-Enriched Whey in a Hamster Primary Infection Model. Toxins, 2019, 11, 98.	3.4	13
51	TGFBR2â€‘dependent alterations of microRNA profiles in extracellular vesicles and parental colorectal cancer cells. International Journal of Oncology, 2019, 55, 925-937.	3.3	9
52	Does environmental stress affect cortisol biodistribution in freshwater mussels?. , 2019, 7, coz101.		3
53	MicroRNA of whole milk samples are not suitable for pregnancy detection in cattle. Gene, 2019, 692, 17-21.	2.2	3
54	Quantification Strategies in Real-time Polymerase Chain Reaction. , 2019, , .		7

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55	Isolation and characterization of extracellular vesicles. Trillium Extracellular Vesicles, 2019, 1, 18-26.	0.3	1
56	Glucocorticoid receptor overexpression slightly shifts microRNA expression patterns in triple-negative breast cancer. International Journal of Oncology, 2018, 52, 1765-1776.	3.3	10
57	Impact of preimplantational oral lowâ€dose estradiolâ€17Î² exposure on the endometrium: The role of miRNA. Molecular Reproduction and Development, 2018, 85, 417-426.	2.0	9
58	Nucleic Acids: RNA Identification and Quantification Via Next-Generation Sequencing. , 2018, , .		0
59	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. Journal of Extracellular Vesicles, 2018, 7, 1535750.	12.2	6,961
60	Immune cell counts and signaling in body fluids of cows vaccinated against Clostridium difficile. Journal of Biological Research, 2018, 25, 20.	2.1	1
61	Nucleic Acids: RNA Identification and Quantification Via RT-qPCR. , 2018, , 35-35.		0
62	Identification of a piscine reovirus-related pathogen in proliferative darkening syndrome (PDS) infected brown trout (Salmo trutta fario) using a next-generation technology detection pipeline. PLoS ONE, 2018, 13, e0206164.	2.5	20
63	Shisha microbiota: the good, the bad and the not so ugly. BMC Research Notes, 2018, 11, 446.	1.4	12
64	Growth Hormone Secretion Patterns in German Landrace (DL) Fetuses and Piglets Compared to DL Piglets with Inherited 1,25-Dihydroxyvitamin D3 Deficiency. Nutrients, 2018, 10, 617.	4.1	1
65	Changes in the microRNA expression profile during blood storage. BMJ Open Sport and Exercise Medicine, 2018, 4, e000354.	2.9	16
66	Stimulated enrichment of Clostridium difficile specific IgA in mature cow's milk. PLoS ONE, 2018, 13, e0195275.	2.5	6
67	Changes in the expression of prostaglandin family members in bovine corpus luteum during the estrous cycle and pregnancy. Molecular Reproduction and Development, 2018, 85, 622-634.	2.0	13
68	Evaluation of serum extracellular vesicle isolation methods for profiling miRNAs by nextâ€generation sequencing. Journal of Extracellular Vesicles, 2018, 7, 1481321.	12.2	177
69	Grass pollen production and group V allergen content of agriculturally relevant species and cultivars. PLoS ONE, 2018, 13, e0193958.	2.5	22
70	New surveillance concepts in food safety in meat producing animals: the advantage of high throughput â€˜omicsâ€™ technologies â€” A review. Asian-Australasian Journal of Animal Sciences, 2018, 31, 1062-1071.	2.4	2
71	Blastocysts depict sex-specific signalling of IFNT transcription, translation and activity. Reproduction, 2018, 157, 245-258.	2.6	0
72	Inhibition of fat cell differentiation in 3T3-L1 pre-adipocytes by all-trans retinoic acid: Integrative analysis of transcriptomic and phenotypic data. Biomolecular Detection and Quantification, 2017, 11, 31-44.	7.0	9

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73	Obstacles and opportunities in the functional analysis of extracellular vesicle RNA â€“ an ISEV position paper. Journal of Extracellular Vesicles, 2017, 6, 1286095.	12.2	561
74	EV-TRACK: transparent reporting and centralizing knowledge in extracellular vesicle research. Nature Methods, 2017, 14, 228-232.	19.0	886
75	Cellular and extracellular mi<scp>RNA</scp>s are bloodâ€compartmentâ€specific diagnostic targets in sepsis. Journal of Cellular and Molecular Medicine, 2017, 21, 2403-2411.	3.6	84
76	Effect ofPerilla frutescensExtracts on Porcine Jejunal Epithelial Cells. Phytotherapy Research, 2017, 31, 303-311.	5.8	2
77	Establishment of a 3D cell culture model of primary bovine mammary epithelial cells extracted from fresh milk. In Vitro Cellular and Developmental Biology - Animal, 2017, 53, 706-720.	1.5	14
78	Expression pattern of <scp>HIF</scp>1alpha and vasohibins during follicle maturation and corpus luteum function in the bovine ovary. Reproduction in Domestic Animals, 2017, 52, 130-139.	1.4	21
79	The Dynamics of microRNA Transcriptome in Bovine Corpus Luteum during Its Formation, Function, and Regression. Frontiers in Genetics, 2017, 8, 213.	2.3	30
80	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
81	Gene expression profiling in pbMEC â€“ in search of molecular biomarkers to predict immunoglobulin production in bovine milk. BMC Veterinary Research, 2017, 13, 369.	1.9	2
82	Highlights of the SÃ£o Paulo ISEV workshop on extracellular vesicles in crossâ€kingdom communication. Journal of Extracellular Vesicles, 2017, 6, 1407213.	12.2	38
83	Bioactive Properties of Minor Camel Milk Ingredients-An Overview. Journal of Camel Practice and Research, 2017, 24, 15.	0.1	5
84	Expression and localization of members of the thrombospondin family during final follicle maturation and corpus luteum formation and function in the bovine ovary. Journal of Reproduction and Development, 2016, 62, 501-510.	1.4	40
85	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
86	Angiogenesis in The Ovary â€“ The Most Important Regulatory Event for Follicle and Corpus Luteum Development and Function in Cow â€“ An Overview. Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia, 2016, 45, 124-130.	0.7	73
87	Comparison of the immune competence of Turopolje, German Landrace Ã— Turopolje, and German Landrace Ã— Pietrain pigs after PRRSV vaccination. Veterinary Immunology and Immunopathology, 2016, 174, 35-44.	1.2	4
88	miRNA92a targets KLF2 and the phosphatase PTEN signaling to promote human T follicular helper precursors in T1D islet autoimmunity. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E6659-E6668.	7.1	50
89	Reply. Journal of Allergy and Clinical Immunology, 2016, 138, 938-939.	2.9	1
90	Toward reliable biomarker signatures in the age of liquid biopsies - how to standardize the small RNA-Seq workflow. Nucleic Acids Research, 2016, 44, 5995-6018.	14.5	97

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91	microRNA in native and processed cow's milk and its implication for the farm milk effect on asthma. Journal of Allergy and Clinical Immunology, 2016, 137, 1893-1895.e13.	2.9	69
92	Guest editor's introduction for BDQ special issue: â€˜Advanced Molecular Diagnostics for Biomarker Discoveryâ€™. Biomolecular Detection and Quantification, 2015, 5, 1-2.	7.0	3
93	The potential of circulating extracellular small RNAs (smexRNA) in veterinary diagnosticsâ€”Identifying biomarker signatures by multivariate data analysis. Biomolecular Detection and Quantification, 2015, 5, 15-22.	7.0	12
94	Temporal variation of milk fat globule diameter, fat and cholesterol content and milk epithelial cell gene expression in dairy cows. International Journal of Dairy Technology, 2015, 68, 519-526.	2.8	18
95	Integrative Analysis of MicroRNA and mRNA Data Reveals an Orchestrated Function of MicroRNAs in Skeletal Myocyte Differentiation in Response to TNF-Î± or IGF1. PLoS ONE, 2015, 10, e0135284.	2.5	21
96	Tumor Necrosis Factor Alpha and Insulin-Like Growth Factor 1 Induced Modifications of the Gene Expression Kinetics of Differentiating Skeletal Muscle Cells. PLoS ONE, 2015, 10, e0139520.	2.5	15
97	How good is a PCR efficiency estimate: Recommendations for precise and robust qPCR efficiency assessments. Biomolecular Detection and Quantification, 2015, 3, 9-16.	7.0	395
98	Class I odorant receptors, TAS1R and TAS2R taste receptors, are markers for subpopulations of circulating leukocytes. Journal of Leukocyte Biology, 2015, 97, 533-545.	3.3	122
99	Comparison of the miRNome and piRNome of bovine blood and plasma by small RNA sequencing. Biotechnology Letters, 2015, 37, 1165-1176.	2.2	16
100	TNF-Î± and IGF1 modify the microRNA signature in skeletal muscle cell differentiation. Cell Communication and Signaling, 2015, 13, 4.	6.5	38
101	RDML-Ninja and RDMLdb for standardized exchange of qPCR data. BMC Bioinformatics, 2015, 16, 197.	2.6	12
102	Differences in milk fat composition from four old sheep breeds. Archives Animal Breeding, 2015, 58, 351-353.	1.4	2
103	Determination of Cell Morphology under 1,8-Cineole Treatment in Porcine Intestinal Cells. , 2014, , 65-69.		0
104	mRNA and microRNA Purity and Integrity: The Key to Success in Expression Profiling. Methods in Molecular Biology, 2014, 1160, 43-53.	0.9	13
105	Identification of a potential gene expression biomarker signature in bovine liver to detect the abuse of growth promoters. Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment, 2014, 31, 641-649.	2.3	12
106	Effects of 1Âyear longâ€term freezing with different preservatives on milk cholesterol, progesterone and lactoferrin determination. International Journal of Dairy Technology, 2014, 67, 490-494.	2.8	2
107	Microfluidic high-throughput reverse-transcription quantitative PCR analysis of liver gene expression in lactating animals. Mikrochimica Acta, 2014, 181, 1725-1732.	5.0	4
108	â€œStay in touch while on the benchâ€• how the MIQE applet can increase the quality of your qPCR and dPCR experiments. BMC Genomics, 2014, 15, .	2.8	2

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109	Posttranscriptional Regulatory Networks: From Expression Profiling to Integrative Analysis of mRNA and MicroRNA Data. Methods in Molecular Biology, 2014, 1160, 165-188.	0.9	8
110	Optimization of Extraction of Circulating RNAs from Plasma â€“ Enabling Small RNA Sequencing. PLoS ONE, 2014, 9, e107259.	2.5	49
111	The need for transparency and good practices in the qPCR literature. Nature Methods, 2013, 10, 1063-1067.	19.0	251
112	Effect of nonâ€starchâ€polysaccharideâ€degrading enzymes as feed additive on the rumen bacterial population in nonâ€lactating cows quantified by realâ€time PCR. Journal of Animal Physiology and Animal Nutrition, 2013, 97, 1104-1113.	2.2	3
113	Evaluation of qPCR curve analysis methods for reliable biomarker discovery: Bias, resolution, precision, and implications. Methods, 2013, 59, 32-46.	3.8	197
114	Transcriptional biomarkers â€“ High throughput screening, quantitative verification, and bioinformatical validation methods. Methods, 2013, 59, 3-9.	3.8	52
115	Transcriptional biomarkers. Methods, 2013, 59, 1-2.	3.8	17
116	The Digital MIQE Guidelines: Minimum Information for Publication of Quantitative Digital PCR Experiments. Clinical Chemistry, 2013, 59, 892-902.	3.2	723
117	Nicotinic Acetylcholine Receptor Subunits Î±4 and Î±5 Associated with Smoking Behaviour and Lung Cancer Are Regulated by Upstream Open Reading Frames. PLoS ONE, 2013, 8, e66157.	2.5	4
118	Effect of magnetic stimulation on the gene expression profile of in vitro cultured neural cells. Neuroscience Letters, 2012, 526, 122-127.	2.1	19
119	The physiological way: Monitoring RNA expression changes as new approach to combat illegal growth promoter application. Drug Testing and Analysis, 2012, 4, 70-74.	2.6	14
120	Investigation into the metabolism of 1,8â€cineole in an intestinal cell culture model and acquisition of its immuneâ€modulatory effect via gene expression analysis. Flavour and Fragrance Journal, 2012, 27, 405-413.	2.6	4
121	Synergetic downregulation of 67â€‰kDa laminin receptor by the green tea (Camellia sinensis) secondary plant compound epigallocatechin gallate: a new gateway in metastasis prevention?. BMC Complementary and Alternative Medicine, 2012, 12, 258.	3.7	10
122	RNA-Sequencing as Useful Screening Tool in the Combat against the Misuse of Anabolic Agents. Analytical Chemistry, 2012, 84, 6863-6868.	6.5	22
123	Profound Effect of Profiling Platform and Normalization Strategy on Detection of Differentially Expressed MicroRNAs â€“ A Comparative Study. PLoS ONE, 2012, 7, e38946.	2.5	50
124	Changes in the miRNA profile under the influence of anabolic steroids in bovine liver. Analyst, The, 2011, 136, 1204.	3.5	19
125	Quantification noise in single cell experiments. Nucleic Acids Research, 2011, 39, e124-e124.	14.5	42
126	Influence of anabolic combinations of an androgen plus an estrogen on biochemical pathways in bovine uterine endometrium and ovary. Journal of Steroid Biochemistry and Molecular Biology, 2011, 125, 192-201.	2.5	21

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127	Effects of the prebiotics inulin and lactulose on intestinal immunology and hematology of preruminant calves. Animal, 2011, 5, 1099-1106.	3.3	27
128	The analysis of the transcriptome as a new approach for biomarker development to trace the abuse of anabolic steroid hormones. Drug Testing and Analysis, 2011, 3, 676-681.	2.6	9
129	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
130	RefGenes: identification of reliable and condition specific reference genes for RT-qPCR data normalization. BMC Genomics, 2011, 12, 156.	2.8	260
131	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. Biosensors and Bioelectronics, 2011, 26, 2000-2005.	10.1	52
132	Quantification noise in single cell experiments. Nucleic Acids Research, 2011, 39, 9834-9834.	14.5	15
133	Primer Sequence Disclosure: A Clarification of the MIQE Guidelines. Clinical Chemistry, 2011, 57, 919-921.	3.2	63
134	The Potential of Bovine Vaginal Smear for Biomarker Development to Trace the Misuse of Anabolic Agents. Experimental and Clinical Endocrinology and Diabetes, 2011, 119, 86-94.	1.2	15
135	Effects of inulin and lactulose on the intestinal morphology of calves. Animal, 2010, 4, 739-744.	3.3	12
136	The effects of branched-chain amino acid interactions on growth performance, blood metabolites, enzyme kinetics and transcriptomics in weaned pigs. British Journal of Nutrition, 2010, 103, 964-976.	2.3	110
137	Long-term effects of mycophenolic acid on the immunoglobulin and inflammatory marker-gene expression in sheep white blood cells. Mycotoxin Research, 2010, 26, 235-240.	2.3	7
138	Validation of extraction methods for total RNA and miRNA from bovine blood prior to quantitative gene expression analyses. Biotechnology Letters, 2010, 32, 35-44.	2.2	39
139	Normalization strategies for microRNA profiling experiments: a â€˜normalâ€™ way to a hidden layer of complexity?. Biotechnology Letters, 2010, 32, 1777-1788.	2.2	190
140	Effect of trenbolone acetate plus estradiol on transcriptional regulation of metabolism pathways in bovine liver. Hormone Molecular Biology and Clinical Investigation, 2010, 2, 257-65.	0.7	10
141	Monitoring gene expression in muscle tissue of macaca fascicularis under the influence of testosterone and SARM. Hormone Molecular Biology and Clinical Investigation, 2010, 1, 73-9.	0.7	2
142	mRNA and microRNA quality control for RT-qPCR analysis. Methods, 2010, 50, 237-243.	3.8	216
143	Quality control for quantitative PCR based on amplification compatibility test. Methods, 2010, 50, 308-312.	3.8	40
144	The ongoing evolution of qPCR. Methods, 2010, 50, 215-216.	3.8	44

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145	Comparison of Two Available Platforms for Determination of RNA Quality. Biotechnology and Biotechnological Equipment, 2010, 24, 2154-2159.	1.3	18
146	Inulin and probiotics in newly weaned piglets: effects on intestinal morphology, mRNA expression levels of inflammatory marker genes and haematology. Archives of Animal Nutrition, 2010, 64, 304-321.	1.8	20
147	The immunomodulatory effect of lactulose on Enterococcus faecium fed preruminant calves1. Journal of Animal Science, 2009, 87, 1731-1738.	0.5	18
148	The use of omic technologies for biomarker development to trace functions of anabolic agents. Journal of Chromatography A, 2009, 1216, 8192-8199.	3.7	63
149	Identification of potential gene expression biomarkers for the surveillance of anabolic agents in bovine blood cells. Analytica Chimica Acta, 2009, 638, 106-113.	5.4	38
150	The MIQE Guidelines: Minimum Information for Publication of Quantitative Real-Time PCR Experiments. Clinical Chemistry, 2009, 55, 611-622.	3.2	12,487
151	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
152	Influence of testosterone and a novel SARM on gene expression in whole blood of Macaca fascicularis. Journal of Steroid Biochemistry and Molecular Biology, 2009, 114, 167-173.	2.5	15
153	Analysis of key molecules of the innate immune system in mammary epithelial cells isolated from marker-assisted and conventionally selected cattle. Journal of Dairy Science, 2009, 92, 4621-4633.	3.4	49
154	Gene Expression in Hair Follicle Dermal Papilla Cells after Treatment with Stanozolol. Biomarker Insights, 2009, 4, BMI.S1173.	2.5	15
155	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
156	Effects of Plate Position, Plate Type and Sealing Systems on Real-Time PCR Results. Biotechnology and Biotechnological Equipment, 2008, 22, 824-828.	1.3	10
157	Validation of Lab-on-Chip Capillary Electrophoresis Systems for Total RNA Quality and Quantity Control. Biotechnology and Biotechnological Equipment, 2008, 22, 829-834.	1.3	12
158	Effects of avilamycin and essential oils on mRNA expression of apoptotic and inflammatory markers and gut morphology of piglets. Czech Journal of Animal Science, 2008, 53, 377-387.	1.3	45
159	Effect of lactulose on growth performance and intestinal morphology of pre-ruminant calves using a milk replacer containing Enterococcus faecium. Animal, 2007, 1, 367-373.	3.3	39
160	Effects of lactoferrin feeding on growth, feed intake and health of calves. Archives of Animal Nutrition, 2007, 61, 20-30.	1.8	19
161	A method to assess 59Fe in residual tissue blood content in mice and its use to correct 59Fe-distribution kinetics accordingly. Toxicology, 2007, 241, 19-32.	4.2	27
162	Modification of mRNA expression after treatment with anabolic agents and the usefulness for gene expression-biomarkers. Analytica Chimica Acta, 2007, 586, 73-81.	5.4	48

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163	Effect of lactoferrin on selected immune system parameters and the gastrointestinal morphology in growing calves. Journal of Animal Physiology and Animal Nutrition, 2007, 91, 109-119.	2.2	21
164	The influence of polyphenol rich apple pomace or red-wine pomace diet on the gut morphology in weaning piglets. Journal of Animal Physiology and Animal Nutrition, 2007, 91, 289-296.	2.2	68
165	Influence of Oral Application of Mycophenolic Acid on the Clinical Health Status of Sheep. Transboundary and Emerging Diseases, 2007, 54, 76-81.	0.6	11
166	Reference Histology of Veal Calf Genital and Endocrine Tissues ? An Update for Screening on Hormonal Growth Promoters. Transboundary and Emerging Diseases, 2007, 54, 238-246.	0.6	20
167	Differential expression of molecular motors in the motor cortex of sporadic ALS. Neurobiology of Disease, 2007, 26, 577-589.	4.4	46
168	Dose-dependent immune response in milk cells and mammary tissue after intramammary administration of lipopolysaccharide in dairy cows. Veterinarni Medicina, 2007, 52, 231-244.	0.6	11
169	Lactulose: effect on apoptotic- and immunological-markers in the gastro-intestinal tract of pre-ruminant calves. Veterinarni Medicina, 2007, 52, 437-444.	0.6	3
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