Benedikt Kirchner

List of Publications by Year
in descending order

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41 papers	1,077 citations	516681 16 h-index	414395 32 g-index
43 all docs	43 docs citations	43 times ranked	2188 citing authors

#	Article	IF	Citations
1	Obtaining Reliable RT-qPCR Results in Molecular Diagnosticsâ€"MIQE Goals and Pitfalls for Transcriptional Biomarker Discovery. Life, 2022, 12, 386.	2.4	8
2	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
3	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
4	Molecular RNA Correlates of the SOFA Score in Patients with Sepsis. Diagnostics, 2021, 11, 1649.	2.6	5
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	Postprandial transfer of colostral extracellular vesicles and their protein and miRNA cargo in neonatal calves. PLoS ONE, 2020, 15, e0229606.	2.5	15
13	MIQE-Compliant Validation of MicroRNA Biomarker Signatures Established by Small RNA Sequencing. Methods in Molecular Biology, 2020, 2065, 23-38.	0.9	6
14	Extracellular vesicle-derived microRNA biomarkers: goals and pitfalls. Trillium Extracellular Vesicles, 2020, 2, 42-47.	0.3	1
15	Title is missing!. , 2020, 15, e0229606.		0
16	Title is missing!. , 2020, 15, e0229606.		0
17	Title is missing!. , 2020, 15, e0229606.		0
18	Title is missing!. , 2020, 15, e0229606.		0

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19	Transcriptomic profiling of cell-free and vesicular microRNAs from matched arterial and venous sera. Journal of Extracellular Vesicles, 2019, 8, 1670935.	12.2	20
20	MicroRNA of whole milk samples are not suitable for pregnancy detection in cattle. Gene, 2019, 692, 17-21.	2.2	3
21	Glucocorticoid receptor overexpression slightly shifts microRNA expression patterns in triple-negative breast cancer. International Journal of Oncology, 2018, 52, 1765-1776.	3.3	10
22	A miRNA181a/NFAT5 axis links impaired T cell tolerance induction with autoimmune type 1 diabetes. Science Translational Medicine, 2018, 10, .	12.4	49
23	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
24	Nucleic Acids: RNA Identification and Quantification Via Next-Generation Sequencing. , 2018, , .		0
25	Nucleic Acids: RNA Identification and Quantification Via RT-qPCR. , 2018, , 35-35.		0
26	Summary of the ISEV workshop on extracellular vesicles as disease biomarkers, held in Birmingham, UK, during December 2017. Journal of Extracellular Vesicles, 2018, 7, 1473707.	12.2	60
27	Changes in the microRNA expression profile during blood storage. BMJ Open Sport and Exercise Medicine, 2018, 4, e000354.	2.9	16
28	Evaluation of serum extracellular vesicle isolation methods for profiling miRNAs by nextâ€generation sequencing. Journal of Extracellular Vesicles, 2018, 7, 1481321.	12.2	177
29	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
30	The Dynamics of microRNA Transcriptome in Bovine Corpus Luteum during Its Formation, Function, and Regression. Frontiers in Genetics, 2017, 8, 213.	2.3	30
31	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
32	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
33	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
34	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
35	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
36	Comparison of the miRNome and piRNome of bovine blood and plasma by small RNA sequencing. Biotechnology Letters, 2015, 37, 1165-1176.	2.2	16

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37	mRNA and microRNA Purity and Integrity: The Key to Success in Expression Profiling. Methods in Molecular Biology, 2014, 1160, 43-53.	0.9	13
38	Optimization of Extraction of Circulating RNAs from Plasma â€“ Enabling Small RNA Sequencing. PLoS ONE, 2014, 9, e107259.	2.5	49
39	Effect of magnetic stimulation on the gene expression profile of in vitro cultured neural cells. Neuroscience Letters, 2012, 526, 122-127.	2.1	19
40	Quantification noise in single cell experiments. Nucleic Acids Research, 2011, 39, e124-e124.	14.5	42
41	Quantification noise in single cell experiments. Nucleic Acids Research, 2011, 39, 9834-9834.	14.5	15