

Stefan J Rädiger

List of Publications by Year in descending order

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64
papers

1,438
citations

430874

18
h-index

377865

34
g-index

73
all docs

73
docs citations

73
times ranked

2061
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	A survey of tools for the analysis of quantitative PCR (qPCR) data. <i>Biomolecular Detection and Quantification</i> , 2014, 1, 23-33.	7.0	141
3	Nucleic acid detection based on the use of microbeads: a review. <i>Mikrochimica Acta</i> , 2014, 181, 1151-1168.	5.0	71
4	Genotypic and Phenotypic Characteristics Associated with Biofilm Formation by Human Clinical <i>Escherichia coli</i> Isolates of Different Pathotypes. <i>Applied and Environmental Microbiology</i> , 2017, 83, .	3.1	65
5	Proteomic Screening for Prediction and Design of Antimicrobial Peptides with AmpGram. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4310.	4.1	59
6	Adhesion of Human and Animal <i>Escherichia coli</i> Strains in Association with Their Virulence-Associated Genes and Phylogenetic Origins. <i>Applied and Environmental Microbiology</i> , 2013, 79, 5814-5829.	3.1	55
7	New Platform Technology for Comprehensive Serological Diagnostics of Autoimmune Diseases. <i>Clinical and Developmental Immunology</i> , 2012, 2012, 1-8.	3.3	53
8	Amyloidogenic motifs revealed by n-gram analysis. <i>Scientific Reports</i> , 2017, 7, 12961.	3.3	52
9	A Highly Versatile Microscope Imaging Technology Platform for the Multiplex Real-Time Detection of Biomolecules and Autoimmune Antibodies. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2012, 133, 35-74.	1.1	48
10	Fluorescence Dye Adsorption Assay to Quantify Carboxyl Groups on the Surface of Poly(methyl Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	6.5	47
11	RKWARD: A Comprehensive Graphical User Interface and Integrated Development Environment for Statistical Analysis with R. <i>Journal of Statistical Software</i> , 2012, 49, .	3.7	42
12	Classification of dead and living microalgae <i>Chlorella vulgaris</i> by bioimage informatics and machine learning. <i>Algal Research</i> , 2020, 48, 101908.	4.6	34
13	Simultaneous detection and quantification of DNA and protein biomarkers in spectrum of cardiovascular diseases in a microfluidic microbead chip. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 7725-7735.	3.7	32
14	Impact of Smoothing on Parameter Estimation in Quantitative DNA Amplification Experiments. <i>Clinical Chemistry</i> , 2015, 61, 379-388.	3.2	31
15	chipPCR: an R package to pre-process raw data of amplification curves. <i>Bioinformatics</i> , 2015, 31, 2900-2902.	4.1	29
16	Second generation analysis of antinuclear antibody (ANA) by combination of screening and confirmatory testing. <i>Clinical Chemistry and Laboratory Medicine</i> , 2015, 53, 1991-2002.	2.3	24
17	Species-specific and pathotype-specific binding of bacteria to zymogen granule membrane glycoprotein 2 (GP2). <i>Gut</i> , 2015, 64, 517-519.	12.1	21
18	Adhesion of <i>Salmonella</i> to Pancreatic Secretory Granule Membrane Major Glycoprotein GP2 of Human and Porcine Origin Depends on FimH Sequence Variation. <i>Frontiers in Microbiology</i> , 2018, 9, 1905.	3.5	21

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19	Identification of Chitinase-3-Like Protein 1 as a Novel Neutrophil Antigenic Target in Crohn's Disease. <i>Journal of Crohn's and Colitis</i> , 2019, 13, 894-904.	1.3	20
20	R as an Environment for Reproducible Analysis of DNA Amplification Experiments. <i>R Journal</i> , 2015, 7, 127.	1.8	19
21	DNA damage assessment and potential applications in laboratory diagnostics and precision medicine. <i>Journal of Laboratory and Precision Medicine</i> , 0, 3, 31-31.	1.1	18
22	System-specific periodicity in quantitative real-time polymerase chain reaction data questions threshold-based quantitation. <i>Scientific Reports</i> , 2016, 6, 38951.	3.3	16
23	Porcine <i>E. coli</i> : Virulence-Associated Genes, Resistance Genes and Adhesion and Probiotic Activity Tested by a New Screening Method. <i>PLoS ONE</i> , 2013, 8, e59242.	2.5	15
24	Open source bioimage informatics tools for the analysis of DNA damage and associated biomarkers. <i>Journal of Laboratory and Precision Medicine</i> , 2019, , 21-21.	1.1	15
25	Adhesion patterns of commensal and pathogenic <i>Escherichia coli</i> from humans and wild animals on human and porcine epithelial cell lines. <i>Gut Pathogens</i> , 2013, 5, 31.	3.4	14
26	A new reporter design based on DNA origami nanostructures for quantification of short oligonucleotides using microbeads. <i>Scientific Reports</i> , 2019, 9, 4769.	3.3	13
27	Algorithms for automated detection of hook effect-bearing amplification curves. <i>Biomolecular Detection and Quantification</i> , 2018, 16, 1-4.	7.0	12
28	An explorative study of polymers for 3D printing of bioanalytical test systems. <i>Clinical Hemorheology and Microcirculation</i> , 2020, 75, 1-28.	1.7	12
29	Phylogenetic Characterization and Multilocus Sequence Typing of Extended-Spectrum Beta Lactamase-Producing <i>Escherichia coli</i> from Food-Producing Animals, Beef, and Humans in Southwest Nigeria. <i>Microbial Drug Resistance</i> , 2021, 27, 111-120.	2.0	12
30	Simultaneous detection of celiac disease-specific IgA antibodies and total IgA. <i>Autoimmunity Highlights</i> , 2016, 7, 2.	3.9	11
31	Spatial Separation of Microbeads into Detection Levels by a Bioorthogonal Porous Hydrogel for Size-Selective Analysis and Increased Multiplexity. <i>Analytical Chemistry</i> , 2019, 91, 8484-8491.	6.5	11
32	Surface Melting Curve Analysis with R. <i>R Journal</i> , 2013, 5, 37.	1.8	11
33	Enabling reproducible real-time quantitative PCR research: the RDML package. <i>Bioinformatics</i> , 2017, 33, 4012-4014.	4.1	10
34	Analysis of three-dimensional biofilms on different material surfaces. <i>Biomaterials Science</i> , 2020, 8, 3500-3510.	5.4	9
35	LEDGF/p75 Is Required for an Efficient DNA Damage Response. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5866.	4.1	9
36	Increased proteasome activator 28 gamma (PA28 γ) levels are unspecific but correlate with disease activity in rheumatoid arthritis. <i>BMC Musculoskeletal Disorders</i> , 2014, 15, 414.	1.9	8

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37	Methods for comparing multiple digital PCR experiments. <i>Biomolecular Detection and Quantification</i> , 2016, 9, 14-19.	7.0	8
38	Solid-phase microbead array for multiplex O-serotyping of <i>Escherichia coli</i> . <i>Mikrochimica Acta</i> , 2017, 184, 1405-1415.	5.0	8
39	Streptavidin Homologues for Applications on Solid Surfaces at High Temperatures. <i>Langmuir</i> , 2020, 36, 628-636.	3.5	8
40	A semi-automated, isolation-free, high-throughput SARS-CoV-2 reverse transcriptase (RT) loop-mediated isothermal amplification (LAMP) test. <i>Scientific Reports</i> , 2021, 11, 21385.	3.3	8
41	Intestinal <i>Escherichia coli</i> colonization in a mallard duck population over four consecutive winter seasons. <i>Environmental Microbiology</i> , 2015, 17, 3352-3361.	3.8	7
42	Phylogenetic grouping and biofilm formation of multidrug resistant <i>Escherichia coli</i> isolates from humans, animals and food products in South-West Nigeria. <i>Scientific African</i> , 2019, 6, e00158.	1.5	7
43	Genomic and Phenotypic Analysis of an ESBL-Producing <i>E. coli</i> ST1159 Clonal Lineage From Wild Birds in Mongolia. <i>Frontiers in Microbiology</i> , 2020, 11, 1699.	3.5	7
44	Autoantibody testing by enzyme-linked immunosorbent assay-a case in which the solid phase decides on success and failure. <i>Heliyon</i> , 2020, 6, e03270.	3.2	7
45	Applications of Neural Networks in Biomedical Data Analysis. <i>Biomedicines</i> , 2022, 10, 1469.	3.2	7
46	Deoxyribonuclease activity of polyclonal IgGs: a putative serological marker in patients with spondyloarthritides. <i>Immunologic Research</i> , 2013, 56, 457-464.	2.9	6
47	Multiplex localization of sequential peptide epitopes by use of a planar microbead chip. <i>Analytica Chimica Acta</i> , 2016, 908, 150-160.	5.4	6
48	A multiparametric fluorescence assay for screening aptamer-protein interactions based on microbeads. <i>Scientific Reports</i> , 2022, 12, 2961.	3.3	6
49	Development of multiplex PCR systems for expression profiling of human cardiomyocytes induced to proliferate by lentivirus transduction of upcyte genes. <i>Journal of Cellular Biotechnology</i> , 2016, 2, 35-55.	0.5	5
50	Molecular biomarkers of DNA damage in diffuse large-cell lymphoma—a review. <i>Journal of Laboratory and Precision Medicine</i> , 0, 4, 5-5.	1.1	5
51	Adhesion of Enteropathogenic, Enterotoxigenic, and Commensal <i>Escherichia coli</i> to the Major Zymogen Granule Membrane Glycoprotein 2. <i>Applied and Environmental Microbiology</i> , 2022, 88, aem0227921.	3.1	5
52	Serological and viral genetic features of patients with COVID-19 in a selected German patient cohort—correlation with disease characteristics. <i>GeroScience</i> , 2021, 43, 2249-2264.	4.6	4
53	Fluorescence-encoded poly(methyl methacrylate) nanoparticles for a lateral flow assay detecting IgM autoantibodies in rheumatoid arthritis. <i>Analytical Biochemistry</i> , 2021, 633, 114389.	2.4	4
54	Genotyping of familial Mediterranean fever gene (MEFV)—Single nucleotide polymorphism—Comparison of Nanopore with conventional Sanger sequencing. <i>PLoS ONE</i> , 2022, 17, e0265622.	2.5	4

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55	Tyramide signal amplification as universal detection method on protein coated microbeads. Journal of Cellular Biotechnology, 2019, 4, 15-22.	0.5	3
56	Quantification of DNA double-strand breaks in peripheral blood mononuclear cells from healthy donors exposed to bendamustine by an automated ^3H 2AX assay – an exploratory study. Journal of Laboratory and Precision Medicine, 0, 3, 47-47.	1.1	3
57	The CytoBead assay – a novel approach of multiparametric autoantibody analysis in the diagnostics of systemic autoimmune diseases. Laboratoriums Medizin, 2015, 38, .	0.6	2
58	Investigation of Commensal Escherichia coli Populations of Cormorant Hatchlings in the Absence of Anthropogenic Impacts in Remote Areas of West Mongolia. Microorganisms, 2021, 9, 372.	3.6	2
59	LoopTag FRET Probe System for Multiplex qPCR Detection of Borrelia Species. Life, 2021, 11, 1163.	2.4	2
60	Der CytoBead-Assay – Eine neue Möglichkeit der multiparametrischen Autoantikörperanalytik bei systemischen Autoimmunerkrankungen. Laboratoriums Medizin, 2014, 38, 309-317.	0.6	1
61	Effect of cryopreservation on the formation of DNA double strand breaks in human peripheral blood mononuclear cells. Journal of Cellular Biotechnology, 2019, 4, 67-73.	0.5	1
62	Initiative on #4openScienceStandsForUkraine scientists and students. 4open, 2022, 5, E2.	0.4	1
63	Novel Anti Double-Stranded Nucleic Acids Full-Length Recombinant Camelid Heavy-Chain Antibody for the Detection of miRNA. International Journal of Molecular Sciences, 2022, 23, 6275.	4.1	1
64	Preface to the Special Issue on PCR on chip and related technologies. Mikrochimica Acta, 2014, 181, 1609-1610.	5.0	0