

Stefan J Rädiger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3085547/publications.pdf>

Version: 2024-02-01

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	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
2	A multiparametric fluorescence assay for screening aptamer-protein interactions based on microbeads. <i>Scientific Reports</i> , 2022, 12, 2961.	3.3	6
3	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
4	Initiative on #4openScienceStandsForUkraine scientists and students. <i>4open</i> , 2022, 5, E2.	0.4	1
5	Novel Anti Double-Stranded Nucleic Acids Full-Length Recombinant Camelid Heavy-Chain Antibody for the Detection of miRNA. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6275.	4.1	1
6	Applications of Neural Networks in Biomedical Data Analysis. <i>Biomedicines</i> , 2022, 10, 1469.	3.2	7
7	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
8	Investigation of Commensal <i>Escherichia coli</i> Populations of Cormorant Hatchlings in the Absence of Anthropogenic Impacts in Remote Areas of West Mongolia. <i>Microorganisms</i> , 2021, 9, 372.	3.6	2
9	LEDGF/p75 Is Required for an Efficient DNA Damage Response. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5866.	4.1	9
10	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
11	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
12	LoopTag FRET Probe System for Multiplex qPCR Detection of <i>Borrelia</i> Species. <i>Life</i> , 2021, 11, 1163.	2.4	2
13	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
14	Streptavidin Homologues for Applications on Solid Surfaces at High Temperatures. <i>Langmuir</i> , 2020, 36, 628-636.	3.5	8
15	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
16	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
17	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
18	Analysis of three-dimensional biofilms on different material surfaces. <i>Biomaterials Science</i> , 2020, 8, 3500-3510.	5.4	9

#	ARTICLE	IF	CITATIONS
19	Proteomic Screening for Prediction and Design of Antimicrobial Peptides with AmpGram. <i>International Journal of Molecular Sciences</i> , 2020, 21, 4310.	4.1	59
20	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
21	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
22	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
23	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
24	Tyramide signal amplification as universal detection method on protein coated microbeads. <i>Journal of Cellular Biotechnology</i> , 2019, 4, 15-22.	0.5	3
25	Effect of cryopreservation on the formation of DNA double strand breaks in human peripheral blood mononuclear cells. <i>Journal of Cellular Biotechnology</i> , 2019, 4, 67-73.	0.5	1
26	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
27	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
28	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
29	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
30	Algorithms for automated detection of hook effect-bearing amplification curves. <i>Biomolecular Detection and Quantification</i> , 2018, 16, 1-4.	7.0	12
31	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
32	Solid-phase microbead array for multiplex O-serotyping of <i>Escherichia coli</i> . <i>Mikrochimica Acta</i> , 2017, 184, 1405-1415.	5.0	8
33	Amyloidogenic motifs revealed by n-gram analysis. <i>Scientific Reports</i> , 2017, 7, 12961.	3.3	52
34	Enabling reproducible real-time quantitative PCR research: the RDML package. <i>Bioinformatics</i> , 2017, 33, 4012-4014.	4.1	10
35	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
36	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

#	ARTICLE	IF	CITATIONS
37	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
38	Simultaneous detection of celiac disease-specific IgA antibodies and total IgA. <i>Autoimmunity Highlights</i> , 2016, 7, 2.	3.9	11
39	Methods for comparing multiple digital PCR experiments. <i>Biomolecular Detection and Quantification</i> , 2016, 9, 14-19.	7.0	8
40	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
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	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
43	Impact of Smoothing on Parameter Estimation in Quantitative DNA Amplification Experiments. <i>Clinical Chemistry</i> , 2015, 61, 379-388.	3.2	31
44	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
45	chipPCR: an R package to pre-process raw data of amplification curves. <i>Bioinformatics</i> , 2015, 31, 2900-2902.	4.1	29
46	The CytoBead assay – a novel approach of multiparametric autoantibody analysis in the diagnostics of systemic autoimmune diseases. <i>Laboratoriums Medizin</i> , 2015, 38, .	0.6	2
47	R as an Environment for Reproducible Analysis of DNA Amplification Experiments. <i>R Journal</i> , 2015, 7, 127.	1.8	19
48	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
49	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
50	Der CytoBead-Assay – Eine neue Möglichkeit der multiparametrischen Autoantikörperanalytik bei systemischen Autoimmunerkrankungen. <i>Laboratoriums Medizin</i> , 2014, 38, 309-317.	0.6	1
51	Preface to the Special Issue on PCR on chip and related technologies. <i>Mikrochimica Acta</i> , 2014, 181, 1609-1610.	5.0	0
52	Nucleic acid detection based on the use of microbeads: a review. <i>Mikrochimica Acta</i> , 2014, 181, 1151-1168.	5.0	71
53	Deoxyribonuclease activity of polyclonal IgGs: a putative serological marker in patients with spondyloarthritis. <i>Immunologic Research</i> , 2013, 56, 457-464.	2.9	6
54	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

#	ARTICLE	IF	CITATIONS
55	Porcine E. coli: Virulence-Associated Genes, Resistance Genes and Adhesion and Probiotic Activity Tested by a New Screening Method. PLoS ONE, 2013, 8, e59242.	2.5	15
56	Adhesion of Human and Animal Escherichia coli Strains in Association with Their Virulence-Associated Genes and Phylogenetic Origins. Applied and Environmental Microbiology, 2013, 79, 5814-5829.	3.1	55
57	Surface Melting Curve Analysis with R. R Journal, 2013, 5, 37.	1.8	11
58	New Platform Technology for Comprehensive Serological Diagnostics of Autoimmune Diseases. Clinical and Developmental Immunology, 2012, 2012, 1-8.	3.3	53
59	A Highly Versatile Microscope Imaging Technology Platform for the Multiplex Real-Time Detection of Biomolecules and Autoimmune Antibodies. Advances in Biochemical Engineering/Biotechnology, 2012, 133, 35-74.	1.1	48
60	RKward: A Comprehensive Graphical User Interface and Integrated Development Environment for Statistical Analysis with R. Journal of Statistical Software, 2012, 49, .	3.7	42
61	Fluorescence Dye Adsorption Assay to Quantify Carboxyl Groups on the Surface of Poly(methyl) Tj ETQq1 1 0.784314 rgBT /Overlock 10 6.5 47		
62	DNA damage assessment and potential applications in laboratory diagnostics and precision medicine. Journal of Laboratory and Precision Medicine, 0, 3, 31-31.	1.1	18
63	Molecular biomarkers of DNA damage in diffuse large-cell lymphoma—a review. Journal of Laboratory and Precision Medicine, 0, 4, 5-5.	1.1	5
64	Quantification of DNA double-strand breaks in peripheral blood mononuclear cells from healthy donors exposed to bendamustine by an automated γ H2AX assay—an exploratory study. Journal of Laboratory and Precision Medicine, 0, 3, 47-47.	1.1	3