

# Harald Seitz

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

1,876  
citations

361413

20  
h-index

302126

39  
g-index

42  
all docs

42  
docs citations

42  
times ranked

2229  
citing authors

#	ARTICLE	IF	CITATIONS
1	A blueprint of ectoine metabolism from the genome of the industrial producer <i>Halomonas elongata</i> DSM 2581 <sup>T</sup> . <i>Environmental Microbiology</i> , 2011, 13, 1973-1994.	3.8	224
2	High Throughput Identification of Potential Arabidopsis Mitogen-activated Protein Kinases Substrates. <i>Molecular and Cellular Proteomics</i> , 2005, 4, 1558-1568.	3.8	223
3	Bacteriophage replication modules. <i>FEMS Microbiology Reviews</i> , 2006, 30, 321-381.	8.6	158
4	Miniaturization in functional genomics and proteomics. <i>Nature Reviews Genetics</i> , 2005, 6, 465-476.	16.3	121
5	The interaction domains of the DnaA and DnaB replication proteins of <i>Escherichia coli</i> . <i>Molecular Microbiology</i> , 2000, 37, 1270-1279.	2.5	117
6	Recent advances of protein microarrays. <i>Current Opinion in Chemical Biology</i> , 2006, 10, 4-10.	6.1	109
7	The N-terminus promotes oligomerization of the <i>Escherichia coli</i> initiator protein DnaA. <i>Molecular Microbiology</i> , 1999, 34, 53-66.	2.5	99
8	Identification of novel transcriptional regulators involved in macrophage differentiation and activation in U937 cells. <i>BMC Immunology</i> , 2009, 10, 18.	2.2	92
9	Functional domains of DnaA proteins. <i>Biochimie</i> , 1999, 81, 819-825.	2.6	89
10	Bacterial replication initiator DnaA. Rules for DnaA binding and roles of DnaA in origin unwinding and helicase loading. <i>Biochimie</i> , 2001, 83, 5-12.	2.6	86
11	Protein Identification by MALDI-TOF-MS Peptide Mapping: A New Strategy. <i>Analytical Chemistry</i> , 2002, 74, 1760-1771.	6.5	53
12	Influence of the Compatible Solute Ectoine on the Local Water Structure: Implications for the Binding of the Protein G5P to DNA. <i>Journal of Physical Chemistry B</i> , 2015, 119, 15212-15220.	2.6	51
13	Validation Processes of Protein Biomarkers in Serum – A Cross Platform Comparison. <i>Sensors</i> , 2012, 12, 12710-12728.	3.8	42
14	DNA Damage by Low-Energy Electron Impact: Dependence on Guanine Content. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11557-11559.	2.6	41
15	Strand-specific loading of DnaB helicase by DnaA to a substrate mimicking unwound oriC. <i>Molecular Microbiology</i> , 2002, 46, 1149-1156.	2.5	35
16	Protein microarray technology and ultraviolet crosslinking combined with mass spectrometry for the analysis of protein-DNA interactions. <i>Analytical Biochemistry</i> , 2004, 331, 303-313.	2.4	35
17	Topological characterization of the DnaA-oriC complex using single-molecule nanomanipulation. <i>Nucleic Acids Research</i> , 2012, 40, 7375-7383.	14.5	27
18	Facing Current Quantification Challenges in Protein Microarrays. <i>Journal of Biomedicine and Biotechnology</i> , 2012, 2012, 1-8.	3.0	24

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19	Direct electron irradiation of DNA in a fully aqueous environment. Damage determination in combination with Monte Carlo simulations. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 1798-1805.	2.8	23
20	Proteomic Studies Using Microarrays. <i>Current Proteomics</i> , 2004, 1, 283-295.	0.3	22
21	The double mechanism of incompatibility between $\lambda$ plasmids and <i>Escherichia coli</i> dnaA(ts) host cells. <i>Microbiology (United Kingdom)</i> , 2001, 147, 1923-1928.	1.8	19
22	Generation of minimal protein identifiers of proteins from two-dimensional gels and recombinant proteins. <i>Electrophoresis</i> , 2002, 23, 621-625.	2.4	18
23	A catalog of human cDNA expression clones and its application to structural genomics. <i>Genome Biology</i> , 2004, 5, R71.	9.6	18
24	Advances in the quantification of protein microarrays. <i>Current Opinion in Chemical Biology</i> , 2014, 18, 16-20.	6.1	17
25	Differential binding studies applying functional protein microarrays and surface plasmon resonance. <i>Proteomics</i> , 2006, 6, 5132-5139.	2.2	15
26	Ectoine interaction with DNA: influence on ultraviolet radiation damage. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 6984-6992.	2.8	15
27	Up-to-Date Applications of Microarrays and Their Way to Commercialization. <i>Microarrays (Basel)</i> Tj ETQq1 1 0.784314 rgBT /Overlock	1.4	14
28	A novel approach reveals that HLA class 1 single antigen bead-signatures provide a means of high-accuracy pre-transplant risk assessment of acute cellular rejection in renal transplantation. <i>BMC Immunology</i> , 2019, 20, 11.	2.2	14
29	A DNAzyme based label-free detection system for miniaturized assays. <i>Molecular BioSystems</i> , 2011, 7, 2882.	2.9	12
30	Interaction of a single-stranded DNA-binding protein g5p with DNA oligonucleotides immobilised on a gold surface. <i>Chemical Physics Letters</i> , 2012, 533, 92-94.	2.6	10
31	A novel immunoassay for quantitative drug abuse screening in serum. <i>Journal of Immunological Methods</i> , 2016, 436, 34-40.	1.4	10
32	High-performance thin-layer chromatography as a fast screening tool for phosphorylated peptides. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2016, 1008, 198-205.	2.3	10
33	Toward Improved Biochips Based on Rolling Circle Amplification—Influences of the Microenvironment on the Fluorescence Properties of Labeled DNA Oligonucleotides. <i>Annals of the New York Academy of Sciences</i> , 2008, 1130, 287-292.	3.8	8
34	A hybrid bacterial replication origin. <i>EMBO Reports</i> , 2001, 2, 1003-1006.	4.5	7
35	Quality control of antibodies for assay development. <i>New Biotechnology</i> , 2016, 33, 544-550.	4.4	5
36	Risk factors for Epstein-Barr virus reactivation after renal transplantation: Results of a large, multicentre study. <i>Transplant International</i> , 2021, 34, 1680-1688.	1.6	5

#	ARTICLE	IF	CITATIONS
37	Electron irradiation of immobilized DNA in solution through a silicon nano-membrane. Radiation Physics and Chemistry, 2013, 88, 70-73.	2.8	3
38	Functional domains of DnaA proteins. Biochimie, 1999, 81, 819-825.	2.6	3
39	Early prediction of renal graft function: Analysis of a multi-center, multi-level data set. Current Research in Translational Medicine, 2022, 70, 103334.	1.8	2
40	Identification of protein-protein interactions using Protein Microarrays and Surface Plasmon Resonance Measurements. , 0, 2005, .		0