

# Christoph Heller

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6909812/publications.pdf>

Version: 2024-02-01

32  
papers

2,107  
citations

471509

17  
h-index

501196

28  
g-index

32  
all docs

32  
docs citations

32  
times ranked

1377  
citing authors

#	ARTICLE	IF	CITATIONS
1	Automated Immunomagnetic Processing and Separation of <i>Legionella Pneumophila</i> with Manual Detection by Sandwich ELISA and PCR Amplification of the ompS Gene. Journal of the Association for Laboratory Automation, 2011, 16, 157-164.	2.8	17
2	Mikrobiologischer Trinkwassertest in weniger als einer Stunde. Optik & Photonik, 2009, 4, 28-31.	0.2	1
3	Collection of Capillary Electrophoresis Fractions on a Moving Membrane. , 2001, 162, 323-331.		3
4	Robust Field Inversion Capillary Electrophoretic Separation of Long DNA Fragments. , 2001, 162, 293-305.		4
5	Influence of Polymer Concentration and Polymer Composition on Capillary Electrophoresis of DNA. , 2001, 162, 111-123.		6
6	Principles of DNA separation with capillary electrophoresis. Electrophoresis, 2001, 22, 629-643.	2.4	197
7	Influence of electric field strength and capillary dimensions on the separation of DNA. Electrophoresis, 2000, 21, 593-602.	2.4	41
8	A fully automated multicapillary electrophoresis device for DNA analysis. Electrophoresis, 1999, 20, 1492-1507.	2.4	59
9	Separation of double-stranded and single-stranded DNA in polymer solutions: I. Mobility and separation mechanism. Electrophoresis, 1999, 20, 1962-1976.	2.4	82
10	Separation of double-stranded and single-stranded DNA in polymer solutions: II. Separation, peak width and resolution. Electrophoresis, 1999, 20, 1978-1986.	2.4	56
11	Electrohydrodynamically induced aggregation during constant and pulsed field capillary electrophoresis of DNA. Biopolymers, 1999, 49, 385-401.	2.4	30
12	Free-solution electrophoresis of DNA. Journal of Chromatography A, 1998, 806, 113-121.	3.7	89
13	Finding a universal low-viscosity polymer for DNA separation. Electrophoresis, 1998, 19, 1691-1698.	2.4	26
14	Finding a universal low viscosity polymer for DNA separation (II). Electrophoresis, 1998, 19, 3114-3127.	2.4	50
15	Micropreparative capillary electrophoresis of DNA by direct transfer onto a membrane. Electrophoresis, 1997, 18, 1990-1993.	2.4	17
16	The Separation Matrix. Chromatographia CE Series, 1997, , 3-23.	0.1	5
17	Update on Improvements in DNA Separation. Chromatographia CE Series, 1997, , 297-308.	0.1	1
18	Influence of Polymer Concentration and Electric Field Experimental Study and Comparison with Theory. Chromatographia CE Series, 1997, , 93-124.	0.1	6

#	ARTICLE	IF	CITATIONS
19	DNA: An Extensible Molecule. <i>Science</i> , 1996, 271, 792-794.	12.6	936
20	Electrophoretic mobility of DNA in gels. III. Experimental study on band inversion. <i>Biopolymers</i> , 1995, 35, 485-492.	2.4	4
21	DNA separation with field inversion capillary electrophoresis. <i>Electrophoresis</i> , 1995, 16, 1423-1428.	2.4	32
22	Capillary electrophoresis of proteins and nucleic acids in gels and entangled polymer solutions. <i>Journal of Chromatography A</i> , 1995, 698, 19-31.	3.7	74
23	Systematic study of field and concentration effects in capillary electrophoresis of DNA in polymer solutions. <i>Journal of Chromatography A</i> , 1995, 710, 309-321.	3.7	104
24	Segregation in DNA solutions induced by electric fields. <i>Science</i> , 1995, 267, 219-222.	12.6	105
25	Field Inversion Gel Electrophoresis. , 1994, 31, 135-146.		3
26	Control of electrohydrodynamic distortion of sample streams in continuous flow electrophoresis using oscillating fields. <i>Electrophoresis</i> , 1993, 14, 1278-1283.	2.4	6
27	Membrane electrophoresis of DNA. <i>Electrophoresis</i> , 1993, 14, 162-164.	2.4	2
28	Field inversion gel electrophoresis in denaturing polyacrylamide gels. <i>Nucleic Acids Research</i> , 1992, 20, 2447-2452.	14.5	12
29	M13plex vectors for multiplex DNA sequencing. <i>Gene</i> , 1991, 103, 131-132.	2.2	8
30	Model and computer simulations of the motion of DNA molecules during pulse field gel electrophoresis. <i>Biochemistry</i> , 1991, 30, 5264-5274.	2.5	39
31	Field inversion gel electrophoresis with different pulse time ramps. <i>Nucleic Acids Research</i> , 1990, 18, 6299-6304.	14.5	25
32	A systematic study of field inversion gel electrophoresis. <i>Nucleic Acids Research</i> , 1989, 17, 5989-6003.	14.5	67