

Christoph Heller

List of Publications by Year in descending order

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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	DNA: An Extensible Molecule. <i>Science</i> , 1996, 271, 792-794.	12.6	936
2	Principles of DNA separation with capillary electrophoresis. <i>Electrophoresis</i> , 2001, 22, 629-643.	2.4	197
3	Segregation in DNA solutions induced by electric fields. <i>Science</i> , 1995, 267, 219-222.	12.6	105
4	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
5	Free-solution electrophoresis of DNA. <i>Journal of Chromatography A</i> , 1998, 806, 113-121.	3.7	89
6	Separation of double-stranded and single-stranded DNA in polymer solutions: I. Mobility and separation mechanism. <i>Electrophoresis</i> , 1999, 20, 1962-1976.	2.4	82
7	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
8	A systematic study of field inversion gel electrophoresis. <i>Nucleic Acids Research</i> , 1989, 17, 5989-6003.	14.5	67
9	A fully automated multicapillary electrophoresis device for DNA analysis. <i>Electrophoresis</i> , 1999, 20, 1492-1507.	2.4	59
10	Separation of double-stranded and single-stranded DNA in polymer solutions: II. Separation, peak width and resolution. <i>Electrophoresis</i> , 1999, 20, 1978-1986.	2.4	56
11	Finding a universal low viscosity polymer for DNA separation (II). <i>Electrophoresis</i> , 1998, 19, 3114-3127.	2.4	50
12	Influence of electric field strength and capillary dimensions on the separation of DNA. <i>Electrophoresis</i> , 2000, 21, 593-602.	2.4	41
13	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
14	DNA separation with field inversion capillary electrophoresis. <i>Electrophoresis</i> , 1995, 16, 1423-1428.	2.4	32
15	Electrohydrodynamically induced aggregation during constant and pulsed field capillary electrophoresis of DNA. <i>Biopolymers</i> , 1999, 49, 385-401.	2.4	30
16	Finding a universal low-viscosity polymer for DNA separation. <i>Electrophoresis</i> , 1998, 19, 1691-1698.	2.4	26
17	Field inversion gel electrophoresis with different pulse time ramps. <i>Nucleic Acids Research</i> , 1990, 18, 6299-6304.	14.5	25
18	Micropreparative capillary electrophoresis of DNA by direct transfer onto a membrane. <i>Electrophoresis</i> , 1997, 18, 1990-1993.	2.4	17

#	ARTICLE	IF	CITATIONS
19	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
20	Field inversion gel electrophoresis in denaturing polyacrylamide gels. Nucleic Acids Research, 1992, 20, 2447-2452.	14.5	12
21	M13plex vectors for multiplex DNA sequencing. Gene, 1991, 103, 131-132.	2.2	8
22	Control of electrohydrodynamic distortion of sample streams in continuous flow electrophoresis using oscillating fields. Electrophoresis, 1993, 14, 1278-1283.	2.4	6
23	Influence of Polymer Concentration and Polymer Composition on Capillary Electrophoresis of DNA. , 2001, 162, 111-123.		6
24	Influence of Polymer Concentration and Electric Field Experimental Study and Comparison with Theory. Chromatographia CE Series, 1997, , 93-124.	0.1	6
25	The Separation Matrix. Chromatographia CE Series, 1997, , 3-23.	0.1	5
26	Electrophoretic mobility of DNA in gels. III. Experimental study on band inversion. Biopolymers, 1995, 35, 485-492.	2.4	4
27	Robust Field Inversion Capillary Electrophoretic Separation of Long DNA Fragments. , 2001, 162, 293-305.		4
28	Field Inversion Gel Electrophoresis. , 1994, 31, 135-146.		3
29	Collection of Capillary Electrophoresis Fractions on a Moving Membrane. , 2001, 162, 323-331.		3
30	Membrane electrophoresis of DNA. Electrophoresis, 1993, 14, 162-164.	2.4	2
31	Mikrobiologischer Trinkwassertest in weniger als einer Stunde. Optik & Photonik, 2009, 4, 28-31.	0.2	1
32	Update on Improvements in DNA Separation. Chromatographia CE Series, 1997, , 297-308.	0.1	1