

Ute Pyell

List of Publications by Year in descending order

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60
papers

855
citations

471509

17
h-index

501196

28
g-index

63
all docs

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docs citations

63
times ranked

903
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of a sensitive and robust strategy for micellar electrokinetic chromatographic analysis of sofosbuvir in combination with its co-formulated hepatitis C antiviral drugs. <i>Journal of Chromatography A</i> , 2020, 1616, 460795.	3.7	9
2	“Pseudostationary Ion-Exchanger” Sweeping as an Online Enrichment Technique in the Determination of Nucleosides in Urine via Micellar Electrokinetic Chromatography. <i>Chromatographia</i> , 2019, 82, 325-345.	1.3	8
3	Quantification of Zeta-Potential and Electrokinetic Surface Charge Density for Colloidal Silica Nanoparticles Dependent on Type and Concentration of the Counterion: Probing the Outer Helmholtz Plane. <i>Journal of Physical Chemistry C</i> , 2018, 122, 4437-4453.	3.1	47
4	Preparation of Cationic Mixed-Mode Acrylamide-Based Monolithic Stationary Phases for Capillary Electrochromatography. <i>Chromatographia</i> , 2018, 81, 1325-1336.	1.3	4
5	Micellar and Microemulsion Electrokinetic Chromatography. , 2018, , 113-142.		3
6	The Concept of Stationary and Moving Boundaries Modelled as Accelerating or Decelerating Planes in the Understanding of Sweeping Processes Employed for Online Focusing in Capillary Zone Electrophoresis and Electrokinetic Chromatography. <i>Chromatographia</i> , 2017, 80, 359-382.	1.3	9
7	Determination of the Exact Particle Radius Distribution for Silica Nanoparticles via Capillary Electrophoresis and Modeling the Electrophoretic Mobility with a Modified Analytic Approximation. <i>Langmuir</i> , 2017, 33, 2325-2339.	3.5	18
8	Mixed-Mode Acrylamide-Based Continuous Beds Bearing tert-Butyl Groups for Capillary Electrochromatography Synthesized Via Complexation of N-tert-Butylacrylamide with a Water-Soluble Cyclodextrin. Part II: Effect of Capillary Size and Polymerization Conditions on Morphology and Chromatographic Efficiency. <i>Chromatographia</i> , 2017, 80, 1669-1682.	1.3	1
9	Mixed-mode acrylamide-based continuous beds bearing tert -butyl groups for capillary electrochromatography synthesized via complexation of N - tert -butylacrylamide with a water-soluble cyclodextrin. Part I: Retention properties. <i>Journal of Chromatography A</i> , 2016, 1477, 114-126.	3.7	7
10	Elucidation of the Enantiodiscrimination Properties of a Nonracemic Chiral Alignment Medium through Gelâ€based Capillary Electrochromatography: Separation of the Mefloquine Stereoisomers. <i>ChemistryOpen</i> , 2016, 5, 455-459.	1.9	3
11	Off-line and On-line Enrichment of \pm -Aminocephalosporins for Their Analysis in Surface Water Samples Using CZE Coupled to LIF. <i>Chromatographia</i> , 2016, 79, 225-241.	1.3	11
12	In-capillary derivatization with o-phthalaldehyde in the presence of 3-mercaptopropionic acid for the simultaneous determination of monosodium glutamate, benzoic acid, and sorbic acid in food samples via capillary electrophoresis with ultraviolet detection. <i>Journal of Chromatography A</i> , 2016, 1449, 156-165.	3.7	31
13	Boronate affinityâ€assisted MEKC separation of highly hydrophilic urinary nucleosides using imidazoliumâ€based ionic liquid type surfactant as pseudostationary phase. <i>Electrophoresis</i> , 2015, 36, 784-795.	2.4	15
14	Characterization of gold nanoparticles with different hydrophilic coatings via capillary electrophoresis and Taylor dispersion analysis. Part I: Determination of the zeta potential employing a modified analytic approximation. <i>Journal of Colloid and Interface Science</i> , 2015, 450, 288-300.	9.4	57
15	Characterization of hydrophilic coated gold nanoparticles via capillary electrophoresis and Taylor dispersion analysis. Part II: Determination of the hydrodynamic radius distribution “ Comparison with asymmetric flow field-flow fractionation. <i>Journal of Colloid and Interface Science</i> , 2015, 457, 131-140.	9.4	35
16	Processes involved in sweeping as sample enrichment method in cyclodextrinâ€modified micellar electrokinetic chromatography of hydrophobic basic analytes. <i>Electrophoresis</i> , 2014, 35, 605-616.	2.4	11
17	Adamantyl-group containing mixed-mode acrylamide-based continuous beds for capillary electrochromatography. Part IV: Investigation of the chromatographic efficiency dependent on the retention mode. <i>Journal of Chromatography A</i> , 2014, 1349, 80-89.	3.7	5
18	Determination of urinary nucleosides via borate complexation capillary electrophoresis combined with dynamic pH junction-sweeping-large volume sample stacking as three sequential steps for their on-line enrichment. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5877-5895.	3.7	25

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19	Adamantyl-group containing mixed-mode acrylamide-based continuous beds for capillary electrochromatography. Part II. Characterization of the synthesized monoliths by inverse size exclusion chromatography and scanning electron microscopy. <i>Journal of Chromatography A</i> , 2014, 1325, 247-255.	3.7	8
20	Adamantyl-group containing mixed-mode acrylamide-based continuous beds for capillary electrochromatography. Part III. Optimization of the chromatographic efficiency. <i>Journal of Chromatography A</i> , 2014, 1325, 186-194.	3.7	5
21	Robust analysis of the hydrophobic basic analytes loratadine and desloratadine in pharmaceutical preparations and biological fluids by sweeping β -cyclodextrin-modified micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2013, 1309, 64-75.	3.7	19
22	Sweeping as a multistep enrichment process in micellar electrokinetic chromatography: The retention factor gradient effect. <i>Journal of Chromatography A</i> , 2013, 1297, 213-225.	3.7	18
23	Adamantyl-group containing mixed-mode acrylamide-based continuous beds for capillary electrochromatography. Part I: Study of a synthesis procedure including solubilization of N-adamantyl-acrylamide via complex formation with a water-soluble cyclodextrin. <i>Journal of Chromatography A</i> , 2013, 1286, 183-191.	3.7	9
24	Imidazolium-based ionic liquid-type surfactant as pseudostationary phase in micellar electrokinetic chromatography of highly hydrophilic urinary nucleosides. <i>Journal of Chromatography A</i> , 2013, 1316, 135-146.	3.7	49
25	Processes involved in sweeping under inhomogeneous electric field conditions as sample enrichment procedure in micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2012, 1264, 124-136.	3.7	19
26	Regulation of the retention factor for weak acids in micellar electrokinetic chromatography with cationic surfactant via variation of the chloride concentration. <i>Electrophoresis</i> , 2011, 32, 604-613.	2.4	14
27	Characterization of nanoparticles by capillary electromigration separation techniques. <i>Electrophoresis</i> , 2010, 31, 814-831.	2.4	132
28	Diffusion as major source of band broadening in field-amplified sample stacking under negligible electroosmotic flow velocity conditions. <i>Journal of Chromatography A</i> , 2010, 1217, 4476-4486.	3.7	29
29	Calibration-free concentration determination of charged colloidal nanoparticles and determination of effective charges by capillary isotachopheresis. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1681-1691.	3.7	33
30	Synthesis of a polyrotaxane β -based macroporous polymer as stationary phase for capillary electrochromatography via host β -guest complexation of N,N'-ethylenedianilinediacrylamide with statistically methylated β -cyclodextrin. <i>Journal of Separation Science</i> , 2008, 31, 1519-1528.	2.5	10
31	CE characterization of semiconductor nanocrystals encapsulated with amorphous silicium dioxide. <i>Electrophoresis</i> , 2008, 29, 576-589.	2.4	48
32	Study of the complexation of different methacrylates with cyclodextrins employing a combination of electrophoretic, chromatographic, and NMR-spectroscopic methods. <i>Journal of Separation Science</i> , 2007, 30, 761-771.	2.5	7
33	Investigation of the ion-exchange properties of methacrylate-based mixed-mode monolithic stationary phases employed as stationary phases in capillary electrochromatography. <i>Journal of Chromatography A</i> , 2007, 1160, 326-335.	3.7	17
34	The use of derivatized cyclodextrins as solubilizing agents in the preparation of macroporous polymers employed as amphiphilic continuous beds in capillary electrochromatography. <i>Journal of Separation Science</i> , 2006, 29, 2816-2826.	2.5	12
35	Determination of tryptamine derivatives in illicit synthetic drugs by capillary electrophoresis and ultraviolet laser-induced fluorescence detection. <i>Electrophoresis</i> , 2005, 26, 2391-2401.	2.4	27
36	Widening of the elution window in micellar electrokinetic chromatography with cationic surfactants. <i>Journal of Chromatography A</i> , 1999, 848, 387-400.	3.7	22

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37	Widening of the elution window in micellar electrokinetic chromatography with cationic surfactants. <i>Journal of Chromatography A</i> , 1999, 855, 669-679.	3.7	11
38	Simultaneous use of urea and acetonitrile as organic modifiers for optimization of resolution in micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1997, 792, 157-163.	3.7	24
39	Optimization of resolution in micellar electrokinetic chromatography via computer-aided simultaneous variation of concentrations of sodium dodecyl sulfate and urea as modifier. <i>Journal of Chromatography A</i> , 1995, 716, 81-95.	3.7	30
40	<i>Environmental Analysis</i> . , 0, , 475-528.		0
41	<i>Electrokinetic Chromatography on Microfluidic Devices</i> . , 0, , 337-349.		1
42	<i>General Aspects of Instrumentation</i> . , 0, , 233-262.		0
43	<i>Amperometric Detection</i> . , 0, , 281-288.		0
44	<i>Principles of Enantiomer Separations in Electrokinetic Chromatography</i> . , 0, , 179-206.		1
45	<i>Coupling of Electrokinetic Chromatography to Mass Spectrometry</i> . , 0, , 307-336.		3
46	<i>Application of Enantioselective Electrokinetic Chromatography</i> . , 0, , 459-474.		0
47	<i>On-Line Sample Enrichment in Electrokinetic Chromatography</i> . , 0, , 207-231.		1
48	<i>Microemulsion Electrokinetic Chromatography</i> . , 0, , 115-135.		2
49	<i>Pseudostationary Ion-Exchange Phases</i> . , 0, , 153-178.		0
50	<i>Electromigration Separation Techniques in Pharmaceutical Analysis</i> . , 0, , 351-371.		0
51	<i>Application of Electrokinetic Chromatography to Food and Beverages</i> . , 0, , 423-457.		0
52	<i>Polymeric Pseudostationary Phases and Dendrimers</i> . , 0, , 137-151.		1
53	<i>Analysis of Body Fluids by Electrokinetic Chromatographic Techniques</i> . , 0, , 373-422.		0
54	<i>Theory of Electrokinetic Chromatography</i> . , 0, , 1-31.		1

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55	Laser-Induced Fluorescence Detection: A Summary. , 0, , 263-280.		2
56	Photothermal Detection. , 0, , 289-305.		0
57	Determination of Critical Micelle Concentrations by Capillary Electrokinetic Techniques. , 0, , 33-54.		0
58	Selectivity Characterization of Pseudostationary Phases Using the Solvation Parameter Model. , 0, , 55-78.		1
59	General Aspects of Resolution Optimization with Micellar Pseudostationary Phases. , 0, , 79-93.		0
60	Optimization of the Separation Conditions in Electrokinetic Chromatography: Experimental Designs, Modelling and Validation. , 0, , 95-113.		0