

Jana Steflva

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

564
citations

567281

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713466

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21
all docs

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docs citations

21
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	Simulation of the effects of complexâ€-formation equilibria in electrophoresis: I. Mathematical model. <i>Electrophoresis</i> , 2012, 33, 938-947.	2.4	64
2	Enhanced selectivity in CZE multiâ€-chiral selector enantioseparation systems: Proposed separation mechanism. <i>Electrophoresis</i> , 2010, 31, 1435-1441.	2.4	54
3	Applicability and limitations of affinity capillary electrophoresis and vacancy affinity capillary electrophoresis methods for determination of complexation constants. <i>Electrophoresis</i> , 2013, 34, 761-767.	2.4	54
4	Model of CE enantioseparation systems with a mixture of chiral selectors. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 30-34.	2.3	46
5	Simulation of the effects of complexâ€-formation equilibria in electrophoresis: II. Experimental verification. <i>Electrophoresis</i> , 2012, 33, 948-957.	2.4	43
6	Determination of stability constants of complexes of neutral analytes with charged cyclodextrins by affinity capillary electrophoresis. <i>Electrophoresis</i> , 2012, 33, 1032-1039.	2.4	34
7	Complexation of Buffer Constituents with Neutral Complexation Agents: Part I. Impact on Common Buffer Properties. <i>Analytical Chemistry</i> , 2013, 85, 8518-8525.	6.5	31
8	Complexation of Buffer Constituents with Neutral Complexation Agents: Part II. Practical Impact in Capillary Zone Electrophoresis. <i>Analytical Chemistry</i> , 2013, 85, 8526-8534.	6.5	30
9	A nonlinear electrophoretic model for PeakMaster: Part III. Electromigration dispersion in systems that contain a neutral complex-forming agent and a fully charged analyte. Theory. <i>Journal of Chromatography A</i> , 2012, 1267, 102-108.	3.7	28
10	A nonlinear electrophoretic model for PeakMaster: Part IV. Electromigration dispersion in systems that contain a neutral complex-forming agent and a fully charged analyte. Experimental verification. <i>Journal of Chromatography A</i> , 2012, 1267, 109-115.	3.7	27
11	Determination of thermodynamic values of acidic dissociation constants and complexation constants of profens and their utilization for optimization of separation conditions by Simul 5 Complex. <i>Journal of Chromatography A</i> , 2014, 1364, 276-288.	3.7	27
12	Simulation of the effects of complexâ€-formation equilibria in electrophoresis: III. Simultaneous effects of chiral selector concentration and background electrolyte pH. <i>Electrophoresis</i> , 2012, 33, 3012-3020.	2.4	22
13	Schreibersite: an effective catalyst in the formose reaction network. <i>New Journal of Physics</i> , 2018, 20, 055003.	2.9	21
14	Model of CE enantioseparation systems with a mixture of chiral selectors. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 35-41.	2.3	20
15	Determination of effective mobilities of <sc>EOF</sc> markers in <sc>BGE</sc> containing sulfated Î²â€-cyclodextrin by a twoâ€-detector method. <i>Electrophoresis</i> , 2013, 34, 768-776.	2.4	19
16	Comprehensive study on critical micellar concentrations of SDS in acetonitrileâ€-water solvents. <i>Electrophoresis</i> , 2016, 37, 1287-1295.	2.4	14
17	Investigation of Strain-Promoted Azideâ€-Alkyne Cycloadditions in Aqueous Solutions by Capillary Electrophoresis. <i>Journal of Organic Chemistry</i> , 2018, 83, 604-613.	3.2	9
18	Methods for determination of all binding parameters in systems with simultaneous borate and cyclodextrin complexation. <i>Journal of Chromatography A</i> , 2011, 1218, 7211-7218.	3.7	7

#	ARTICLE	IF	CITATIONS
19	Accuracy and sensitivity of the determination of rate constants of interconversion in achiral and chiral environments by dynamic enantioselective electrophoresis. <i>Electrophoresis</i> , 2011, 32, 595-603.	2.4	6
20	Equivalent peak resolution: Characterization of the extent of separation for two components based on their relative peak overlap. <i>Electrophoresis</i> , 2015, 36, 646-654.	2.4	6
21	Occurrence and behavior of system peaks in RP HPLC with solely aqueous mobile phases. <i>Journal of Separation Science</i> , 2009, 32, 2864-2870.	2.5	2