TomÃ¡Å¡ KÅÃ-Å¾ek

List of Publications by Year
in descending order

51 papers	724 citations	623188 14 h-index	580395 25 g-index
51 all docs	51 docs citations	51 times ranked	1154 citing authors

#	Article	IF	Citations
1	Onâ€capillary fluorescent labeling of saccharides for capillary electrophoresis. Electrophoresis, 2023, 44, 35-43.	1.3	4
2	Alternative method for canagliflozin oxidation analysis using an electrochemical flow cell â€“ Comparative study. Journal of Pharmaceutical and Biomedical Analysis, 2022, 207, 114341.	1.4	3
3	Pharmacokinetic Variability in Pre-Clinical Studies: Sample Study with Abiraterone in Rats and Implications for Short-Term Comparative Pharmacokinetic Study Designs. Pharmaceutics, 2022, 14, 643.	2.0	5
4	Liquid crystals purity assay using nonaqueous capillary electrokinetic chromatography. Electrophoresis, 2022, 43, 1638-1646.	1.3	2
5	Prediction of Intact N-Glycopeptide Retention Time Windows in Hydrophilic Interaction Liquid Chromatography. Molecules, 2022, 27, 3723.	1.7	1
6	Seed Protection of Solanum lycopersicum with Pythium oligandrum against Alternaria brassicicola and Verticillium albo-atrum. Microorganisms, 2022, 10, 1348.	1.6	4
7	LEGO-Lipophosphonoxins: A Novel Approach in Designing Membrane Targeting Antimicrobials. Journal of Medicinal Chemistry, 2022, 65, 10045-10078.	2.9	5
8	Mobilization of electroosmotic flow markers in capillary zone electrophoresis. Electrophoresis, 2021, 42, 932-938.	1.3	4
9	Comparison of static and dynamic mode in the electrochemical oxidation of fesoterodine with the use of experimental design approach. Talanta, 2021, 226, 122141.	2.9	3
10	Effect of background electrolyte anions on markers of electroosmotic flow in capillary electrophoresis. Monatshefte FÃ¼r Chemie, 2021, 152, 1061-1065.	0.9	0
11	Validity of cycloheximide chylomicron flow blocking method for the evaluation of lymphatic transport of drugs. British Journal of Pharmacology, 2021, 178, 4663-4674.	2.7	7
12	Changes in Rosuvastatin Pharmacokinetics During Postnatal Ontogenesis in Rats. Journal of Pharmacy and Pharmaceutical Sciences, 2021, 25, 1-8.	0.9	1
13	Novel Insights into the Effect of Pythium Strains on Rapeseed Metabolism. Microorganisms, 2020, 8, 1472.	1.6	8
14	Lidocaine adsorption to ethylene-vinyl acetate infusion bags decreases its availability in del Nido cardioplegia solution. Monatshefte FÃ¼r Chemie, 2020, 151, 1217-1223.	0.9	1
15	Glycan-specific precipitation of glycopeptides in high organic content sample solvents used in HILIC. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1150, 122196.	1.2	6
16	Sucrose hydrolysis during the preparation of â€œdandelion honeyâ€• Monatshefte FÃ¼r Chemie, 2020, 151, 1231-1234.	0.9	3
17	Interaction of heparin and tetraarginine in capillary electrophoresis: Implication for analytical applications. Electrophoresis, 2020, 41, 1826-1831.	1.3	6
18	Preclinical evaluation of new formulation concepts for abiraterone acetate bioavailability enhancement based on the inhibition of pH-induced precipitation. European Journal of Pharmaceutics and Biopharmaceutics, 2020, 151, 81-90.	2.0	7

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19	Bioavailability Enhancement and Food Effect Elimination of Abiraterone Acetate by Encapsulation in Surfactant-Enriched Oil Marbles. AAPS Journal, 2020, 22, 122.	2.2	9
20	Post-mortem Redistribution of Alprazolam in Rats. Prague Medical Report, 2020, 121, 244-253.	0.4	0
21	Determination of short-chain fatty acids in feces by capillary electrophoresis with indirect UV-VIS detection. Analytical Methods, 2019, 11, 4575-4579.	1.3	8
22	Online screening of Î±-amylase inhibitors by capillary electrophoresis. Analytical and Bioanalytical Chemistry, 2018, 410, 4213-4218.	1.9	6
23	Binding of Divalent Cations to Insulin: Capillary Electrophoresis and Molecular Simulations. Journal of Physical Chemistry B, 2018, 122, 5640-5648.	1.2	45
24	Can Arginine Inhibit Insulin Aggregation? A Combined Protein Crystallography, Capillary Electrophoresis, and Molecular Simulation Study. Journal of Physical Chemistry B, 2018, 122, 10069-10076.	1.2	28
25	Chlorpyrifos-methyl oxon hydrolysis and its monitoring by HPLCâ€“MS/MS. Monatshefte FÃ¼r Chemie, 2018, 149, 1515-1519.	0.9	2
26	Protonation of polyanilineâ€coated silica stationary phase affects the retention behavior of neutral hydrophobic solutes in reversedâ€phase capillary liquid chromatography. Journal of Separation Science, 2018, 41, 2886-2894.	1.3	8
27	Menthol-based hydrophobic deep eutectic solvents: Towards greener and efficient extraction of phytocannabinoids. Journal of Cleaner Production, 2018, 193, 391-396.	4.6	125
28	Design of experiments for amino acid extraction from tobacco leaves and their subsequent determination by capillary zone electrophoresis. Analytical and Bioanalytical Chemistry, 2017, 409, 2383-2391.	1.9	15
29	Characterization of polyanilineâ€coated stationary phases by using the linear solvation energy relationship in the hydrophilic interaction liquid chromatography mode using capillary liquid chromatography. Journal of Separation Science, 2017, 40, 677-687.	1.3	14
30	Quantification of paracetamol and 5-oxoproline in serum by capillary electrophoresis: Implication for clinical toxicology. Journal of Pharmaceutical and Biomedical Analysis, 2017, 145, 616-620.	1.4	24
31	Study of polyaniline-coated silica gel as a stationary phase in different modes of capillary liquid chromatography. Monatshefte FÃ¼r Chemie, 2017, 148, 1605-1611.	0.9	5
32	Lipophosphonoxins II: Design, Synthesis, and Properties of Novel Broad Spectrum Antibacterial Agents. Journal of Medicinal Chemistry, 2017, 60, 6098-6118.	2.9	29
33	Synthesis and supramolecular properties of regioisomers of mononaphthylallyl derivatives of Î³-cyclodextrin. Beilstein Journal of Organic Chemistry, 2017, 13, 2509-2520.	1.3	2
34	Determination of Protamine and Insulin Using Short-End Injection Capillary Electrophoresis. Chromatographia, 2016, 79, 1643-1648.	0.7	3
35	Sample pretreatment for the capillary electrophoretic determination of organic acids in chromium(III) plating baths. Journal of Separation Science, 2015, 38, 4255-4261.	1.3	2
36	Preparation of a Carbon-Platinum-Polyaniline Support for Atomic Metal Deposition. Journal of the Electrochemical Society, 2015, 162, H423-H427.	1.3	5

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37	Electrophoretic mobilities of neutral analytes and electroosmotic flow markers in aqueous solutions of <scp>H</scp>ofmeister salts. Electrophoresis, 2014, 35, 617-624.	1.3	9
38	Purification and enzymatic characterization of tobacco leaf Î²-N-acetylhexosaminidase. Biochimie, 2014, 107, 263-269.	1.3	7
39	Determination of nitrites and nitrates in drinking water using capillary electrophoresis. Chemical Papers, 2014, 68, .	1.0	27
40	Offline and online capillary electrophoresis enzyme assays of Î²-N-acetylhexosaminidase. Analytical and Bioanalytical Chemistry, 2013, 405, 2425-2434.	1.9	15
41	Overcharging in Biological Systems: Reversal of Electrophoretic Mobility of Aqueous Polyaspartate by Multivalent Cations. Physical Review Letters, 2012, 108, 186101.	2.9	61
42	Counterion condensation in short cationic peptides: Limiting mobilities beyond the <scp>O</scp>nsagerâ€“<scp>F</scp>uoss theory. Electrophoresis, 2012, 33, 981-989.	1.3	13
43	Microscale separation methods for enzyme kinetics assays. Analytical and Bioanalytical Chemistry, 2012, 403, 2185-2195.	1.9	15
44	Guanidinium Cations Pair with Positively Charged Arginine Side Chains in Water. Journal of Physical Chemistry Letters, 2011, 2, 1387-1389.	2.1	49
45	Monolithic columns based on a poly(styrene-divinylbenzene-methacrylic acid) copolymer for capillary liquid chromatography of small organic molecules. Journal of Chromatography A, 2011, 1218, 1544-1547.	1.8	37
46	Comparison of HPLC and CZE methods for analysis of DOTAâ€like esters â€“ reaction intermediates in synthesis of magnetic resonance contrast agents. Journal of Separation Science, 2010, 33, 658-663.	1.3	1
47	Pluronic Fâ€127 as the buffer additive in capillary entangled polymer electrophoresis: Some fundamental aspects. Journal of Separation Science, 2010, 33, 2458-2464.	1.3	10
48	Differentiation among various kinds of cheese by identification of casein using HPLCâ€chip/MS/MS. Journal of Separation Science, 2010, 33, 2515-2519.	1.3	13
49	Effect of Association with Sulfate on the Electrophoretic Mobility of Polyarginine and Polylysine. Journal of Physical Chemistry B, 2010, 114, 11934-11941.	1.2	40
50	Separation of inorganic and small organic anions by CE using phosphoniumâ€based monoâ€and dicationic reagents. Electrophoresis, 2009, 30, 3955-3963.	1.3	27
51	Capillary monolithic columns based on poly(styrene-divinylbenzene-methacrylic acid) copolymer for liquid chromatography and electrochromatography. Monatshefte FÃ¼r Chemie, 0, , .	0.9	0