Jose Carlos Diez-Masa

List of Publications by Year
in descending order

74 papers	2,085 citations	218677 26 h-index	254184 43 g-index
74 all docs	74 docs citations	74 times ranked	1426 citing authors

#	Article	IF	Citations
1	The role of the temperature in reversed-phase high-performance liquid chromatography using pyrocarbon-containing adsorbents. Journal of Chromatography A, 1978, 167, 41-65.	3.7	241
2	Determination of Critical Micelle Concentration Values Using Capillary Electrophoresis Instrumentation. Analytical Chemistry, 1997, 69, 4271-4274.	6.5	233
3	Capillary isoelectric focusing of erythropoietin glycoforms and its comparison with flat-bed isoelectric focusing and capillary zone electrophoresis. Journal of Chromatography A, 1999, 830, 453-463.	3.7	73
4	High-efficiency capillary electrophoretic separation of basic proteins using coated capillaries and cationic buffer additives. Journal of Chromatography A, 1993, 652, 161-170.	3.7	56
5	Preparation of linear polyacrylamide-coated capillaries. Journal of Chromatography A, 1999, 830, 423-438.	3.7	53
6	Polyacrylamide-Coated Capillaries Probed by Atomic Force Microscopy:Â Correlation between Surface Topography and Electrophoretic Performance. Analytical Chemistry, 1998, 70, 3458-3462.	6.5	50
7	Amino acids determination using capillary electrophoresis with on-capillary derivatization and laser-induced fluorescence detection. Journal of Chromatography A, 2005, 1079, 335-343.	3.7	50
8	Improved capillary isoelectric focusing method for recombinant erythropoietin analysis. Journal of Chromatography A, 2002, 968, 221-228.	3.7	46
9	Separation of basic proteins by capillary electrophoresis using cross-linked polyacrylamide-coated capillaries and cationic buffer additives. Journal of Chromatography A, 1993, 655, 63-72.	3.7	44
10	Correlation between the logarithm of capacity factors for aromatic compounds in micellar electrokinetic chromatography and their octanol-water partition coefficients. Journal of Chromatography A, 1996, 742, 251-256.	3.7	43
11	Micellar Electrokinetic Chromatography Applied to Copolymer Systems with Heterogeneous Distribution. Macromolecules, 1999, 32, 610-617.	4.8	43
12	Separation of chiral polychlorinated biphenyls by micellar electrokinetic chromatography using Î²- and Î³-cyclodextrin mixtures in the separation buffer. Journal of Chromatography A, 1996, 752, 265-270.	3.7	42
13	Detection of bovine whey proteins by on-column derivatization capillary electrophoresis with laser-induced fluorescence monitoring. Journal of Chromatography A, 1999, 841, 105-114.	3.7	42
14	Treatments of fused-silica capillaries and their influence on the electrophoretic characteristics of these columns before and after coating. Journal of Chromatography A, 1998, 823, 561-571.	3.7	40
15	Perfusion liquid chromatography of whey proteins. Journal of Chromatography A, 1996, 729, 99-111.	3.7	38
16	CZE of human alpha-1-acid glycoprotein for qualitative and quantitative comparison of samples from different pathological conditions.. Electrophoresis, 2006, 27, 4205-4214.	2.4	35
17	Chiral separation of polychlorinated biphenyls by micellar electrokinetic chromatography with Î³-cyclodextrin as modifier in the separation buffer. Chromatographia, 1996, 42, 269-272.	1.3	33
18	Study of the capillary electrophoresis profile of intact Î±-1-acid glycoprotein isoforms as a biomarker of atherothrombosis. Analyst, The, 2011, 136, 816-822.	3.5	32

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19	Determination of solute-micelle association constants for a group of benzene derivatives and polycyclic aromatic hydrocarbons with sodium dodecyl sulphate by micellar electrokinetic chromatography. Journal of Chromatography A, 1996, 732, 345-359.	3.7	31
20	Comparison of different capillary electrophoresis methods for analysis of recombinant erythropoietin glycoforms. Journal of Separation Science, 2002, 25, 1112-1118.	2.5	31
21	Optimization of separations of homologous series in reversed-phase liquid chromatography. Analytical Chemistry, 1981, 53, 146-155.	6.5	30
22	Differences in capillary electrophoresis profiles of urinary and recombinant erythropoietin. Electrophoresis, 2003, 24, 678-680.	2.4	30
23	Separation of basic proteins by capillary zone electrophoresis with coatings of a copolymer of vinylpyrrolidone and vinylimidazole. Journal of Chromatography A, 1996, 730, 289-295.	3.7	29
24	Controlled release of cyclosporine from VP-HEMA copolymer systems of adjustable resorption monitorized by MEKC. Biomaterials, 2000, 21, 915-921.	11.4	29
25	Analysis of trace amounts of bovine Î²-lactoglobulin in infant formulas by capillary electrophoresis with on-capillary derivatization and laser-induced fluorescence detection. Journal of Separation Science, 2005, 28, 941-947.	2.5	28
26	Immunochromatographic removal of albumin in erythropoietin biopharmaceutical formulations for its analysis by capillary electrophoresis. Journal of Chromatography A, 2007, 1153, 227-234.	3.7	28
27	Quantitation of active ingredients and excipients in nasal sprays by high-performance liquid chromatography, capillary electrophoresis and UV spectroscopy. Journal of Chromatography A, 1998, 823, 423-431.	3.7	26
28	Immunochromatographic determination of Î²-lactoglobulin and its antigenic peptides in hypoallergenic formulas. International Dairy Journal, 2006, 16, 406-414.	3.0	26
29	Evaluation of the effect of the immunopurificationâ€based procedures on the CZEâ€UV and CZEâ€ESIâ€TOFâ€MS determination of isoforms of intact Î±â€1â€acid glycoprotein from human serum. Electrophoresis, 2010, 31, 1796-1804.	2.4	26
30	On-line immunoaffinity capillary electrophoresis based on magnetic beads for the determination of alpha-1 acid glycoprotein isoforms profile to facilitate its use as biomarker. Analytica Chimica Acta, 2013, 773, 89-96.	5.4	25
31	Rapid analysis of whey proteins from different animal species by reversed-phase high-performance liquid chromatography. Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung, 1992, 195, 326-331.	0.6	24
32	Separation and quantitation of some metal ions by RP-HPLC using EDTA as complexing agent in mobile phase. Chromatographia, 1993, 35, 621-626.	1.3	23
33	On-capillary derivatization and analysis of amino acids in human plasma by capillary electrophoresis with laser-induced fluorescence detection: Application to diagnosis of aminoacidopathies. Electrophoresis, 2006, 27, 3101-3107.	2.4	23
34	A new sample preparation method compatible with capillary electrophoresis and laser-induced fluorescence for improving detection of low levels of Î²-lactoglobulin in infant foods. Analytica Chimica Acta, 2009, 649, 202-210.	5.4	23
35	Development of a method for quantitative analysis of the major whey proteins by capillary electrophoresis with on-capillary derivatization and laser-induced fluorescence detection. Journal of Separation Science, 2005, 28, 935-940.	2.5	22
36	Influence of Bonded-Phase Column Type, Mobile Phase Composition, Temperature and Flow-Rate in the Analysis of Triglycerides by Reverse-Phase High Performance Liquid Chromatography. Journal of Liquid Chromatography and Related Technologies, 1987, 10, 3193-3212.	1.0	21

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37	Use of immunodotting to select the desorption agent for immunochromatography. Journal of Immunological Methods, 2004, 289, 225-237.	1.4	21
38	Adsorption kinetics of Î²-lactoglobulin on a polyclonal immunochromatographic support. Journal of Chromatography A, 2002, 953, 17-30.	3.7	20
39	Development of an SDSâ€gel electrophoresis method on SUâ€8 microchips for protein separation with LIF detection: Application to the analysis of whey proteins. Journal of Separation Science, 2013, 36, 2530-2537.	2.5	20
40	Thermo-optical absorbance detection of native proteins separated by capillary electrophoresis in 10 Î¼m I.D. tubes. Journal of Chromatography A, 1995, 699, 315-322.	3.7	19
41	Multiple Peaks in HPLC of Proteins: Bovine Serum Albumin Eluted in a Reversed-Phase System. Journal of High Resolution Chromatography, 1998, 21, 18-24.	1.4	19
42	High resolution separation methods for the determination of intact human erythropoiesis stimulating agents. A review. Analytica Chimica Acta, 2012, 713, 7-22.	5.4	19
43	Separation and Analysis of 4â€²-Epimeric UDP-Sugars by Ion-Pair Reversed-Phase HPLC. Analytical Biochemistry, 1994, 216, 188-194.	2.4	18
44	Modulated release of cyclosporine from soluble vinyl pyrrolidoneâ€“hydroxyethyl methacrylate copolymer hydrogels. Journal of Controlled Release, 2001, 72, 1-11.	9.9	18
45	CIEF with hydrodynamic and chemical mobilization for the separation of forms of Î±-1-acid glycoprotein. Electrophoresis, 2007, 28, 1204-1213.	2.4	18
46	Comparison of Î±â€1â€acid glycoprotein isoforms from healthy and cancer patients by capillary IEF. Electrophoresis, 2007, 28, 4447-4451.	2.4	18
47	Recombinant growth hormone delivery systems based on vinylpyrrolidone-hydroxyethyl methacrylate copolymer matrices: Monitoring optimization by capillary zone electrophoresis. Journal of Biomaterials Science, Polymer Edition, 2000, 11, 993-1005.	3.5	16
48	Development of a fast and simple immunochromatographic method to purify alpha 1-acid glycoprotein from serum for analysis of its isoforms by capillary electrophoresis. Analytica Chimica Acta, 2010, 663, 206-212.	5.4	16
49	Micellar electrokinetic capillary chromatographic separation of polychlorinated biphenyl congeners. Journal of Chromatography A, 1997, 778, 77-85.	3.7	15
50	Development of an Optimized ELISA and a Sample Preparation Method for the Detection of Î²-Lactoglobulin Traces in Baby Foods. Journal of Agricultural and Food Chemistry, 2010, 58, 1664-1671.	5.2	15
51	CE methods for analysis of isoforms of prostateâ€specific antigen compatible with online derivatization for LIF detection. Electrophoresis, 2011, 32, 2036-2043.	2.4	14
52	Protein fingerprinting of Staphylococcus species by capillary electrophoresis with on-capillary derivatization and laser-induced fluorescence detection. Analytica Chimica Acta, 2010, 658, 81-86.	5.4	13
53	Multiple peaks in high-performance liquid chromatography of proteins ÃŸ-lactoglobulins eluted in a hydrophobic interaction chromatography system. Journal of Chromatography A, 1997, 778, 43-52.	3.7	12
54	Development of an immunochromatographic method to determine Î²-lactoglobulin at trace levels. Analytica Chimica Acta, 2005, 537, 69-80.	5.4	12

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55	Development of CE methods to analyze potential components of the angiogenic glycoprotein vascular endothelial growth factor 165. Electrophoresis, 2009, 30, 315-324.	2.4	11
56	A new approach to spirosesquiterpenes of the acorane family. Journal of the Chemical Society Chemical Communications, 1981, , 953.	2.0	9
57	Frontal analysis for characterizing the adsorptionâ€“desorption behavior of Î²-lactoglobulin on immunoadsorbents. Journal of Chromatography A, 2006, 1119, 34-42.	3.7	9
58	Analysis of alphaâ€1â€acid glycoprotein isoforms using <scp>CE</scp>â€<scp>LIF</scp> with fluorescent thiol derivatization. Electrophoresis, 2012, 33, 1113-1119.	2.4	9
59	On-chip single column transient isotachophoresis with free zone electrophoresis for preconcentration and separation of Î±-lactalbumin and Î²-lactoglobulin. Microchemical Journal, 2017, 133, 600-606.	4.5	9
60	CIEF and MALDIâ€TOFâ€MS methods for analyzing forms of the glycoprotein VEGF₁₆₅. Electrophoresis, 2009, 30, 1198-1205.	2.4	8
61	Immunoaffinity chromatographic isolation of prostate-specific antigen from seminal plasma for capillary electrophoresis analysis of its isoforms. Analytica Chimica Acta, 2014, 820, 47-55.	5.4	8
62	Use of detergents and high contents of organic solvents for simultaneous quantitation of ionic and nonionic drugs by electrokinetic chromatography. Journal of Chromatography A, 1998, 824, 99-108.	3.7	7
63	Onâ€capillary fluorescent labeling and capillary electrophoresis laserâ€induced fluorescence analysis of glycoforms of intact prostateâ€specific antigen. Electrophoresis, 2013, 34, 2295-2302.	2.4	7
64	Impact of capillary conditioning and background electrolyte composition on capillary electrophoresis analysis of prostate specific antigen isoforms. Journal of Chromatography A, 2016, 1443, 254-261.	3.7	7
65	Fluorescence detection in capillary electrophoresis. Comprehensive Analytical Chemistry, 2005, 45, 305-374.	1.3	6
66	Comparative analysis of prostateâ€specific antigen by twoâ€dimensional gel electrophoresis and capillary electrophoresis. Electrophoresis, 2017, 38, 408-416.	2.4	6
67	A chromatographic method for the determination of low surface areas. Chromatographia, 1979, 12, 111-116.	1.3	4
68	Behavior of whey proteins in hydrophobic interaction chromatography. Journal of High Resolution Chromatography, 1996, 19, 521-526.	1.4	4
69	Comparison of two injection systems to be used with 5 Î¼m I.D. open-tubular columns. Journal of Chromatography A, 1994, 659, 255-259.	3.7	3
70	Capillary Electrophoresis with Laser-Induced Fluorescence Detection of Proteins from Two Types of Complex Sample Matrices: Food and Biological Fluids. Methods in Molecular Biology, 2013, 984, 207-225.	0.9	2
71	Protein Fingerprinting of Staphylococcus aureus by Capillary Electrophoresis with On-Capillary Derivatization and Laser-Induced Fluorescence Detection. Methods in Molecular Biology, 2013, 984, 237-251.	0.9	2
72	Whey proteins eluted reversed phase gradients. Journal of High Resolution Chromatography, 1997, 20, 29-33.	1.4	1

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73	Capillary Electrophoresis Analysis of Prostate-Specific Antigen (PSA). Methods in Molecular Biology, 2019, 1972, 221-234.	0.9	1
74	Monitorization of Î±1-Acid Glycoprotein Deglycosylation Using SU-8 Microchips Electrophoresis with LIF Detection. Methods in Molecular Biology, 2019, 1972, 25-39.	0.9	0