

# Jose Carlos Diez-Masa

## List of Publications by Year in descending order

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74  
papers

2,085  
citations

249298

26  
h-index

286692

43  
g-index

74  
all docs

74  
docs citations

74  
times ranked

1572  
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of the temperature in reversed-phase high-performance liquid chromatography using pyrocarbon-containing adsorbents. <i>Journal of Chromatography A</i> , 1978, 167, 41-65.	1.8	241
2	Determination of Critical Micelle Concentration Values Using Capillary Electrophoresis Instrumentation. <i>Analytical Chemistry</i> , 1997, 69, 4271-4274.	3.2	233
3	Capillary isoelectric focusing of erythropoietin glycoforms and its comparison with flat-bed isoelectric focusing and capillary zone electrophoresis. <i>Journal of Chromatography A</i> , 1999, 830, 453-463.	1.8	73
4	High-efficiency capillary electrophoretic separation of basic proteins using coated capillaries and cationic buffer additives. <i>Journal of Chromatography A</i> , 1993, 652, 161-170.	1.8	56
5	Preparation of linear polyacrylamide-coated capillaries. <i>Journal of Chromatography A</i> , 1999, 830, 423-438.	1.8	53
6	Polyacrylamide-Coated Capillaries Probed by Atomic Force Microscopy: A Correlation between Surface Topography and Electrophoretic Performance. <i>Analytical Chemistry</i> , 1998, 70, 3458-3462.	3.2	50
7	Amino acids determination using capillary electrophoresis with on-capillary derivatization and laser-induced fluorescence detection. <i>Journal of Chromatography A</i> , 2005, 1079, 335-343.	1.8	50
8	Improved capillary isoelectric focusing method for recombinant erythropoietin analysis. <i>Journal of Chromatography A</i> , 2002, 968, 221-228.	1.8	46
9	Separation of basic proteins by capillary electrophoresis using cross-linked polyacrylamide-coated capillaries and cationic buffer additives. <i>Journal of Chromatography A</i> , 1993, 655, 63-72.	1.8	44
10	Correlation between the logarithm of capacity factors for aromatic compounds in micellar electrokinetic chromatography and their octanol-water partition coefficients. <i>Journal of Chromatography A</i> , 1996, 742, 251-256.	1.8	43
11	Micellar Electrokinetic Chromatography Applied to Copolymer Systems with Heterogeneous Distribution. <i>Macromolecules</i> , 1999, 32, 610-617.	2.2	43
12	Separation of chiral polychlorinated biphenyls by micellar electrokinetic chromatography using $\beta$ - and $\beta$ -cyclodextrin mixtures in the separation buffer. <i>Journal of Chromatography A</i> , 1996, 752, 265-270.	1.8	42
13	Detection of bovine whey proteins by on-column derivatization capillary electrophoresis with laser-induced fluorescence monitoring. <i>Journal of Chromatography A</i> , 1999, 841, 105-114.	1.8	42
14	Treatments of fused-silica capillaries and their influence on the electrophoretic characteristics of these columns before and after coating. <i>Journal of Chromatography A</i> , 1998, 823, 561-571.	1.8	40
15	Perfusion liquid chromatography of whey proteins. <i>Journal of Chromatography A</i> , 1996, 729, 99-111.	1.8	38
16	CZE of human alpha-1-acid glycoprotein for qualitative and quantitative comparison of samples from different pathological conditions. <i>Electrophoresis</i> , 2006, 27, 4205-4214.	1.3	35
17	Chiral separation of polychlorinated biphenyls by micellar electrokinetic chromatography with $\beta$ -cyclodextrin as modifier in the separation buffer. <i>Chromatographia</i> , 1996, 42, 269-272.	0.7	33
18	Study of the capillary electrophoresis profile of intact $\alpha$ -1-acid glycoprotein isoforms as a biomarker of atherothrombosis. <i>Analyst</i> , The, 2011, 136, 816-822.	1.7	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. <i>Journal of Chromatography A</i> , 1996, 732, 345-359.	1.8	31
20	Comparison of different capillary electrophoresis methods for analysis of recombinant erythropoietin glycoforms. <i>Journal of Separation Science</i> , 2002, 25, 1112-1118.	1.3	31
21	Optimization of separations of homologous series in reversed-phase liquid chromatography. <i>Analytical Chemistry</i> , 1981, 53, 146-155.	3.2	30
22	Differences in capillary electrophoresis profiles of urinary and recombinant erythropoietin. <i>Electrophoresis</i> , 2003, 24, 678-680.	1.3	30
23	Separation of basic proteins by capillary zone electrophoresis with coatings of a copolymer of vinylpyrrolidone and vinylimidazole. <i>Journal of Chromatography A</i> , 1996, 730, 289-295.	1.8	29
24	Controlled release of cyclosporine from VP-HEMA copolymer systems of adjustable resorption monitored by MEKC. <i>Biomaterials</i> , 2000, 21, 915-921.	5.7	29
25	Analysis of trace amounts of bovine $\beta$ -lactoglobulin in infant formulas by capillary electrophoresis with on-capillary derivatization and laser-induced fluorescence detection. <i>Journal of Separation Science</i> , 2005, 28, 941-947.	1.3	28
26	Immunochemical removal of albumin in erythropoietin biopharmaceutical formulations for its analysis by capillary electrophoresis. <i>Journal of Chromatography A</i> , 2007, 1153, 227-234.	1.8	28
27	Quantitation of active ingredients and excipients in nasal sprays by high-performance liquid chromatography, capillary electrophoresis and UV spectroscopy. <i>Journal of Chromatography A</i> , 1998, 823, 423-431.	1.8	26
28	Immunochemical determination of $\beta$ -lactoglobulin and its antigenic peptides in hypoallergenic formulas. <i>International Dairy Journal</i> , 2006, 16, 406-414.	1.5	26
29	Evaluation of the effect of the immunopurification-based procedures on the CZE-UV and CZE-ESI-TOF-MS determination of isoforms of intact $\beta$ -acid glycoprotein from human serum. <i>Electrophoresis</i> , 2010, 31, 1796-1804.	1.3	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. <i>Analytica Chimica Acta</i> , 2013, 773, 89-96.	2.6	25
31	Rapid analysis of whey proteins from different animal species by reversed-phase high-performance liquid chromatography. <i>Zeitschrift Fur Lebensmittel-Untersuchung Und -Forschung</i> , 1992, 195, 326-331.	0.7	24
32	Separation and quantitation of some metal ions by RP-HPLC using EDTA as complexing agent in mobile phase. <i>Chromatographia</i> , 1993, 35, 621-626.	0.7	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. <i>Electrophoresis</i> , 2006, 27, 3101-3107.	1.3	23
34	A new sample preparation method compatible with capillary electrophoresis and laser-induced fluorescence for improving detection of low levels of $\beta$ -lactoglobulin in infant foods. <i>Analytica Chimica Acta</i> , 2009, 649, 202-210.	2.6	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. <i>Journal of Separation Science</i> , 2005, 28, 935-940.	1.3	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. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1987, 10, 3193-3212.	0.9	21

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37	Use of immunodotting to select the desorption agent for immunochromatography. <i>Journal of Immunological Methods</i> , 2004, 289, 225-237.	0.6	21
38	Adsorption kinetics of $\beta$ -lactoglobulin on a polyclonal immunochromatographic support. <i>Journal of Chromatography A</i> , 2002, 953, 17-30.	1.8	20
39	Development of an SDS-gel electrophoresis method on SU-8 microchips for protein separation with LIF detection: Application to the analysis of whey proteins. <i>Journal of Separation Science</i> , 2013, 36, 2530-2537.	1.3	20
40	Thermo-optical absorbance detection of native proteins separated by capillary electrophoresis in 10 $\mu$ m I.D. tubes. <i>Journal of Chromatography A</i> , 1995, 699, 315-322.	1.8	19
41	Multiple Peaks in HPLC of Proteins: Bovine Serum Albumin Eluted in a Reversed-Phase System. <i>Journal of High Resolution Chromatography</i> , 1998, 21, 18-24.	2.0	19
42	High resolution separation methods for the determination of intact human erythropoiesis stimulating agents. A review. <i>Analytica Chimica Acta</i> , 2012, 713, 7-22.	2.6	19
43	Separation and Analysis of 4 <sup>Epimeric</sup> UDP-Sugars by Ion-Pair Reversed-Phase HPLC. <i>Analytical Biochemistry</i> , 1994, 216, 188-194.	1.1	18
44	Modulated release of cyclosporine from soluble vinyl pyrrolidone-hydroxyethyl methacrylate copolymer hydrogels. <i>Journal of Controlled Release</i> , 2001, 72, 1-11.	4.8	18
45	CIEF with hydrodynamic and chemical mobilization for the separation of forms of $\beta$ -1-acid glycoprotein. <i>Electrophoresis</i> , 2007, 28, 1204-1213.	1.3	18
46	Comparison of $\beta$ -1-acid glycoprotein isoforms from healthy and cancer patients by capillary IEF. <i>Electrophoresis</i> , 2007, 28, 4447-4451.	1.3	18
47	Recombinant growth hormone delivery systems based on vinylpyrrolidone-hydroxyethyl methacrylate copolymer matrices: Monitoring optimization by capillary zone electrophoresis. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2000, 11, 993-1005.	1.9	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. <i>Analytica Chimica Acta</i> , 2010, 663, 206-212.	2.6	16
49	Micellar electrokinetic capillary chromatographic separation of polychlorinated biphenyl congeners. <i>Journal of Chromatography A</i> , 1997, 778, 77-85.	1.8	15
50	Development of an Optimized ELISA and a Sample Preparation Method for the Detection of $\beta$ -Lactoglobulin Traces in Baby Foods. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 1664-1671.	2.4	15
51	CE methods for analysis of isoforms of prostate-specific antigen compatible with online derivatization for LIF detection. <i>Electrophoresis</i> , 2011, 32, 2036-2043.	1.3	14
52	Protein fingerprinting of <i>Staphylococcus</i> species by capillary electrophoresis with on-capillary derivatization and laser-induced fluorescence detection. <i>Analytica Chimica Acta</i> , 2010, 658, 81-86.	2.6	13
53	Multiple peaks in high-performance liquid chromatography of proteins $\beta$ -lactoglobulins eluted in a hydrophobic interaction chromatography system. <i>Journal of Chromatography A</i> , 1997, 778, 43-52.	1.8	12
54	Development of an immunochromatographic method to determine $\beta$ -lactoglobulin at trace levels. <i>Analytica Chimica Acta</i> , 2005, 537, 69-80.	2.6	12

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55	Development of CE methods to analyze potential components of the angiogenic glycoprotein vascular endothelial growth factor 165. <i>Electrophoresis</i> , 2009, 30, 315-324.	1.3	11
56	A new approach to spirosesquiterpenes of the acorane family. <i>Journal of the Chemical Society Chemical Communications</i> , 1981, , 953.	2.0	9
57	Frontal analysis for characterizing the adsorption-desorption behavior of $\beta$ -lactoglobulin on immunoabsorbents. <i>Journal of Chromatography A</i> , 2006, 1119, 34-42.	1.8	9
58	Analysis of alpha-1-acid glycoprotein isoforms using CE-LIF with fluorescent thiol derivatization. <i>Electrophoresis</i> , 2012, 33, 1113-1119.	1.3	9
59	On-chip single column transient isotachopheresis with free zone electrophoresis for preconcentration and separation of $\alpha$ -lactalbumin and $\beta$ -lactoglobulin. <i>Microchemical Journal</i> , 2017, 133, 600-606.	2.3	9
60	CIEF and MALDI-TOF-MS methods for analyzing forms of the glycoprotein VEGF <sub>165</sub> . <i>Electrophoresis</i> , 2009, 30, 1198-1205.	1.3	8
61	Immunoaffinity chromatographic isolation of prostate-specific antigen from seminal plasma for capillary electrophoresis analysis of its isoforms. <i>Analytica Chimica Acta</i> , 2014, 820, 47-55.	2.6	8
62	Use of detergents and high contents of organic solvents for simultaneous quantitation of ionic and nonionic drugs by electrokinetic chromatography. <i>Journal of Chromatography A</i> , 1998, 824, 99-108.	1.8	7
63	On-capillary fluorescent labeling and capillary electrophoresis laser-induced fluorescence analysis of glycoforms of intact prostate-specific antigen. <i>Electrophoresis</i> , 2013, 34, 2295-2302.	1.3	7
64	Impact of capillary conditioning and background electrolyte composition on capillary electrophoresis analysis of prostate specific antigen isoforms. <i>Journal of Chromatography A</i> , 2016, 1443, 254-261.	1.8	7
65	Fluorescence detection in capillary electrophoresis. <i>Comprehensive Analytical Chemistry</i> , 2005, 45, 305-374.	0.7	6
66	Comparative analysis of prostate-specific antigen by two-dimensional gel electrophoresis and capillary electrophoresis. <i>Electrophoresis</i> , 2017, 38, 408-416.	1.3	6
67	A chromatographic method for the determination of low surface areas. <i>Chromatographia</i> , 1979, 12, 111-116.	0.7	4
68	Behavior of whey proteins in hydrophobic interaction chromatography. <i>Journal of High Resolution Chromatography</i> , 1996, 19, 521-526.	2.0	4
69	Comparison of two injection systems to be used with 5 $\frac{1}{4}$ m I.D. open-tubular columns. <i>Journal of Chromatography A</i> , 1994, 659, 255-259.	1.8	3
70	Capillary Electrophoresis with Laser-Induced Fluorescence Detection of Proteins from Two Types of Complex Sample Matrices: Food and Biological Fluids. <i>Methods in Molecular Biology</i> , 2013, 984, 207-225.	0.4	2
71	Protein Fingerprinting of <i>Staphylococcus aureus</i> by Capillary Electrophoresis with On-Capillary Derivatization and Laser-Induced Fluorescence Detection. <i>Methods in Molecular Biology</i> , 2013, 984, 237-251.	0.4	2
72	Whey proteins eluted reversed phase gradients. <i>Journal of High Resolution Chromatography</i> , 1997, 20, 29-33.	2.0	1

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73	Capillary Electrophoresis Analysis of Prostate-Specific Antigen (PSA). Methods in Molecular Biology, 2019, 1972, 221-234.	0.4	1
74	Monitorization of $\hat{\pm}$ 1-Acid Glycoprotein Deglycosylation Using SU-8 Microchips Electrophoresis with LIF Detection. Methods in Molecular Biology, 2019, 1972, 25-39.	0.4	0